

PARASITOLOGY

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EDITED BY

GEORGE H. F. NUTTALL, F.R.S.

Quick Professor of Biology in the University of Cambridge

ASSISTED BY

EDWARD HINDLE, PH.D.

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PURCHASED

THE GENERA AND SPECIES OF MALLOPHAGA.

BY LAUNCELOT HARRISON, B.Sc.

University of Sydney, and Emmanuel College, Cambridge.

(From the Quick Laboratory, University of Cambridge.)

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I.

GENERAL INTRODUCTION.

SINCE Professor Kellogg has published a list of Mallophaga, in Wytsman's *Genera Insectorum*, so recently as 1908, my reasons for preparing the present publication require an explanation. This explanation involves some criticism of Kellogg's list, but my main reasons are concerned rather with the plan of this list than with the few errors and omissions that I indicate.

In the first place, Kellogg's work includes only what, until the contrary is proved, may be presumed to be valid species. No synonyms are included, and as these synonyms are very numerous, it has appeared to me useful to bring them all together. When such an astute worker as Piaget has been led more than once to use anew a name that had fallen into oblivion as a synonym, the risk of more recent workers doing the same thing need hardly be emphasised.

Secondly, Kellogg has accepted Piaget as the final authority on the synonymy of those species described by European authors. But Piaget was very impatient of any work less perfect than his own, and has quite unjustifiably discarded many descriptions on the grounds of insufficiency. Moreover, Piaget, in common with all other writers on Mallophaga, dated the origin of Mallophagan species from Nitzsch's classification in 1818, and ignored everything between that date and the tenth edition of the *Systema Naturae* in 1758. Denny, in particular, has suffered at the hands of the Dutch author, but Denny's types are to be seen at the British Museum, and Denny's species cannot be overlooked because his figures and descriptions did not satisfy Piaget's fastidious taste.

A third defect, for so it appears to me, is that Kellogg has referred the descriptions of European species to the three great monographs, of Nitzsch (Giebel), Piaget, and Taschenberg, and not to the actual original descriptions. In the case of the last two this matter is not of much importance. Piaget published a fairly considerable number of descriptions in periodicals prior to their appearance in *Les Pédiculines* and its *Supplément*; but as only one or two other workers were writing on Mallophaga during this period, no confusion can result from reference to the monograph, though the procedure is not correct. The same may be said of Taschenberg. But with Nitzsch the case is very different. The German professor published a list of species, all *nomina nuda*, in 1818, and these names were bandied about Europe for the succeeding fifty years, at the end of which Giebel actually published Nitzsch's diagnoses. De Haan, in editing Lyonet's posthumous work, seized upon a few of them, and attached them to the latter author's figures and descriptions. Burmeister described a few more, and repeated a number of the names, still as *nomina nuda*. Denny, in correspondence with Burmeister, attached Nitzschian names to a number of his figures and descriptions. Finally Giebel, in his *Zeitschrift*, actually published Nitzsch's descriptions. It is absolutely essential that the actual date of the description which first appeared in connection with a Nitzschian name should be recorded, and this I have endeavoured to do in my list.

These are the main grounds upon which I would justify the present list. Apart from them, there are minor sins of omission and commission in Kellogg's work. Many species are listed more than once in different genera. For instance, the species which appears in my list as *Paronophorus cephalotes* was placed by Giebel, in *Insecta Epizoa*, under *Nirmus*; by Piaget, in *Les Pédiculines*, under *Docophorus*; and later, in his *Supplément*, under *Oncophorus*. It appears in Kellogg's list as

a valid species under all three genera. Even one of Kellogg's own species, first described as *Nirmus*, but subsequently, on the discovery of the male, as *Lipeurus faralloni*, appears under both genera. Certain omissions have been due to a failure to examine the whole even of the recent literature of the group. Papers by Neumann, Piaget, and Le Souëf describing new species have been ignored, although the species described were duly catalogued in the *Zoological Record*. Certain descriptions by a very distinguished American entomologist, Packard, have been enveloped in a wholly needless mystery. In his "List of Biting Lice (Mallophaga) taken from Birds and Mammals of North America" (*Proc. U.S. Nat. Mus.*, xxii.), Kellogg, on p. 48, quotes *Docophorus syrnni* Packard from Gurlt, with the statement that "neither Osborn nor I have been able to find the original record for this species." On p. 67 of the same work we read:

"*Goniodes mephitidis* Packard, Rept. U.S. Geol. and. Geog. Survey, 1872, p. 732. Taken from a skunk, *Mephitis*, but probably a straggler from some gallinaceous bird which was the prey of the animal."

This entry gives a perfectly correct reference to the paper in which *Docophorus syrnni* was described, and which neither Kellogg nor Osborn was able to find. That Kellogg had not referred to it is perfectly obvious from the qualifying remark quoted above, for Packard gives a good figure of his *Goniodes mephitidis* which shows quite clearly that it is identical with the insect described more than twenty years later by Osborn as *Trichodectes mephitidis*, and is not "a straggler from some gallinaceous bird." Incidentally, Packard's species were listed in the *Zoological Record* under a correct reference; and his descriptions and figures were also reprinted in the *American Naturalist*, VIII.

But these minor matters do not affect the general value of Professor Kellogg's list, which I have used myself to great advantage, and errors are inevitable in any large compilation.

Another factor that has been largely responsible for the present publication has been the activity of a considerable number of workers now writing on Mallophaga, and the beginnings that have been made by these workers in breaking up the larger genera. This process of subdivision will assuredly go on rapidly, and it seems to me that the present is the best time to decide upon the correct names of the known species, while they are still included in large genera. At a later stage, when species have passed into smaller generic divisions, much greater difficulty will be experienced in clearing up the nomenclature.

Finally, I have taken advantage of the opportunity afforded by a visit to England to examine personally the whole literature of Mallophaga,

a historical research of some magnitude, as my Bibliography will show, and one which I could not hope to have carried out in Australia. This examination has brought to light a considerable amount of neglected literature, and doubtless there is more still awaiting discovery. In dealing with it, I have endeavoured to do justice to some forgotten workers, and I hope that systematists will remember this point of view when they chafe at the disappearance of a few well-known names.

So much for my justification! As to the plan of the present work, I have aimed, in the first place, at economising space. I publish my decisions on questions of nomenclature, without much of the argument upon which they are based. At a later date I may have an opportunity of discussing some of these decisions in greater detail. In all questions of nomenclature I have acted rigidly upon the *International Code* and upon the recommendations which accompany it, because I see no other way of achieving finality.

The subject-matter is divided into eight parts, upon some of which I wish to give a little information:

(i) *General Introduction.*

(ii) *List of species of Mallophaga included in the genera Pediculus Linn., Ricinus Degeer, and Nirmus Hermann.* The reasons for making this a separate list are sufficiently set forth in the introductory note to the list itself. Each of these genera stood to include all known Mallophaga, and they must be regarded as equivalent. The names included in this list are thus all those used for Mallophaga prior to the introduction of Nitzsch's classification. All the names which I have been able to connect with a modern genus have been carried over to the main list, *whether the species be recognisable or not.* At the end of the section I give a list of the names which I have not been able to carry over, names which I am obliged to discard at this stage.

(iii) *List of generic and subgeneric names, valid and invalid, used for Mallophaga.* In this list, as in the list of species, no distinction has been made between genera and subgenera. The cause of invalidity is briefly indicated for each genus which is not held valid, excepting only a few that have not previously won a general recognition; and in a few instances a reference is given to further discussions of the point involved. The genotype is indicated for both valid and invalid genera. Taschenberg's subgenera, here treated as invalid, will undoubtedly have to come into general use. I have preferred not to introduce them at present for the reason already referred to, namely that it is advisable to clear up as far as possible all questions of nomenclature before breaking up the existing unwieldy genera. For the same reason I have

also discarded Neumann's *Menacanthus*, which will have to come back into use. I put forward this list frankly as a basis for future revisional work, and not as anything in the nature of a final achievement.

(iv) *Scheme of Classification*. This is briefly explained in the note which precedes it. It is simply a provisional scheme for the purpose of the present publication, and I do not wish to lay any emphasis upon it here. I thought at first of listing the species under genera following one another in alphabetical order; but eventually decided that it would be more desirable to have closely related genera, as far as possible, close to one another.

(v) *List of species and subspecies, valid and invalid, of Mallophaga*. This constitutes the main part of the publication. The species are listed in alphabetical order under the 56 genera, the latter being in the order given in the Scheme of Classification. Specific and sub-specific, or varietal, names are not distinguished as far as validity is concerned. To each name is attached a record of the first technically valid description. My treatment of host distribution is due to considerations of space. Where there is only one host, that is given. But where the hosts become plural, or numerous, I indicate a genus, family, or order, as the case may be. Reference to Kellogg's List, or to the monographic works of Giebel and Piaget, will serve to give the actual known distribution. As Professor Kellogg has announced the forthcoming production of a host list with modern nomenclature, I have not tried to anticipate this by interfering with the host nomenclature. On two points, however, I have exercised special care. For all species listed as invalid I have endeavoured to include the type host, for convenience should a question of reinstating the species arise; and for species recorded from a suspect type host I have indicated, or suggested, the true host or host-group. Geographical distribution, since it is of little value, is only rarely indicated.

No attempt has been made to apportion credit for the revisional work indicated by the synonymy. A great deal of synonymy has been copied from work to work, so that it would be a difficult, as well as an utterly useless, task to discover the first authority. I have reduced a number of species to synonyms myself, but they are not specially indicated.

A number of species are included as valid, not because I believe them to be so, but because it is uncertain of what species they may be synonyms. Probably an equal number of species have been reduced to the rank of synonyms which future research will establish as perfectly valid. As I have said before, this publication is only to be considered

as a basis for future revisions; and on this point I have a little more to say later on.

The number of specific names given in the list is 2395, of which 1520 are treated as valid, and 875 as invalid.

(vi) *Bibliography*. This does not purport to be a complete bibliography of Mallophaga, nor does it include anything like all the works examined in the preparation of this List. But it does include all the works with which I am acquainted, or to which I could find references, which deal with systematics and nomenclature. A considerable number of these are here quoted for the first time. Thanks to the courtesy and kindly assistance of the library staffs at the Cambridge University, Cambridge Philosophical Society, and the British Museum (Natural History) Libraries, I have personally studied all these works, with only one or two exceptions.

(vii) *List of new names introduced in this publication*. Owing to the inclusion in my list of a large number of synonymical names, a number of current names for species are shown to be invalid. For these I have been obliged to put forward new names, which are distinguished by an asterisk in the list itself; but which I have brought together under this heading for the purpose of affording more convenient reference.

(viii) *Index to genera*. This hardly demands explanation. It applies only to the List of Specific Names, and is included to facilitate reference. In the other lists, Sections ii and iii, names are in alphabetical order; and the same holds for the species included under each genus in Section v; so that a multiplication of indices has seemed to me unnecessary.

Having made a complete survey of the systematic work upon Mallophaga up to the present, I may perhaps be permitted to set upon paper a few thoughts as to this work in the future. In the course of my somewhat tedious labour, I have been appalled at the number of species which must for the present be allowed to stand as valid, but which will never be really recognised until either the types have been examined and carefully redescribed, or fresh material from the same host has been critically examined and dealt with. If we are to avoid a continuation of this state of affairs, it seems to me that it will be necessary to establish definite criteria upon which specific descriptions may be based. This is hardly a matter for an individual worker, but it should be possible to arrive at some decision after an informal discussion among the specialists at present working on the group. The few points which I put forward in the next paragraphs are simply tentative suggestions, and are the outcome of my own gropings after light.

The systematic worker is at present faced with two alternatives, when he comes to write a description of a new species. Either he must write a very long and detailed description, giving equal value to an infinite number of characters, some of which he may find later to be very variable; or he may try, in a brief account, to found his species upon a few characters of absolute diagnostic value. In the former case the work is laborious, which would not be of any consequence did the result justify it; but the longest description very frequently fails to characterise one of two closely related species, if it has been discussed without reference to the other. In the latter case there is, at present, no general agreement among workers, and the opinions of one man as to what is of absolute diagnostic value will differ widely from those of another.

I should like to suggest a few methods and characters by means of which we may hope to have more satisfactory specific descriptions in the future, especially as I may in this way induce some discussion on the point. First I would wish to insist on the discussion of a new species with reference to its nearest relatives, *if these can be accurately determined*. When Giebel stated that his *Nirmus angulicollis*, from a petrel, found its nearest ally in *N. fenestratus* of the cuckoo, he wrote mischievous rubbish. The comparison of species by dumping them into artificially contrived groups may be almost as dangerous. Kellogg (1909, p. 119) writes of *Lipeurus absitus* from the hoatzin: "This new *Lipeurus* of the group *clypeati sutura distincta* (all the other members of which have been taken from strictly maritime and coast birds) is thoroughly distinct from the other species of the group." This statement is, of course, absolutely correct; but the inference is that *Lipeurus absitus* is more closely related to these marine *Lipeuri* than to any others, which is certainly not the case. Obviously the group *clypeati sutura distincta* is not a natural one, or, at all events, its definition should be limited; and no good can come of comparing two unrelated species because they happen to fall within its artificial limits. I do not for a moment accuse Kellogg of bowing before the fetish of an inelastic group definition; but Neumann certainly has done so, on two separate occasions. He has (1914) attempted to transfer *Goniodes lipogonus* and *G. complanatus* to the genus *Degeeriella*, because they do not come within the verbal limits of the former generic definition. He gibes at Taschenberg, who previously encountered the same difficulty, for erecting a new genus *Strongylocotes* to receive these forms. Taschenberg's treatment had, at any rate, the merit of leaving the species among the forms to which they were most closely related. Neumann

preferred to tear them from their natural surroundings and transfer them to an utterly unrelated group, simply because the existing generic definition seemed to him the better to include them. The second case is that of his *Degeeriella charcoti*, which is a petrel *Lipeurus* closely akin to *L. gurlti*. Here, again, he has chosen, rather than expand the definition of the genus *Lipeurus*, to transfer the species from its natural position. The sequel has been that Mjöberg, comparing the species with those among which Neumann had placed it, has erected for it a new genus *Pseudonirmus* (*Nirmus* = *Degeeriella*), which I discard at present, but which will ultimately have to be used for that group of petrel *Lipeuri* ranging from *L. gurlti* to *L. charcoti*, a group which has nothing whatever to do with *Nirmus*. It is cases such as these which induce me to ask for accurate determination of affinities. We do, after all, propose to deal with organisms, not definitions.

If these affinities can be indicated, the species to be described is at once limited to a more or less small group, with many features in common, such features serving no good purpose in a specific description. We now want actual diagnostic characters, and the question is—Where may these best be found? I have no desire at present to lay down any scheme of description, but I myself find the best characters for separating closely related species in the following points: The general proportions of head and thorax; the structure of that part of the head in front of the mandibles, dealt with in a cleared mount, not simply on the dorsal surface; the thoracic sternites; the genital plate and blotches of the ♀; and the chitinous genitalia of the ♂. In the Amblycera, a careful study of the lateral region of the head, both dorsally and ventrally, is important. In many species outstanding features occur in other parts; but, with careful figures, a description of the parts I have mentioned should suffice.

Waterston has already insisted on the value of the ♂ genitalia, which certainly present the very best characters obtainable. Nor are these difficult to prepare for examination. If the insect be heated in 10 per cent. caustic until the soft parts are destroyed, then passed into glacial acetic acid, and from that into oil of cloves, a few touches with fine needles under a binocular microscope will serve to separate the genitalia from the body, and both may be mounted directly into balsam on the same slide. After very little practice, the dissection of the genitalia hardly involves any addition to the time occupied in making mounts.

With regard to figures, I think it is desirable to have a complete figure of each insect, supplemented by more highly magnified figures of

diagnostic details, such as the structure of the anterior part of the head, and of the ♂ genitalia. Measurements need only include total length and breadth, and the length and breadth of the main divisions of the body. I attach no value to the measurement of every article of an antenna, or of a tarsus, to three decimals of a millimetre, because the possible margin of error is so large as to absolutely vitiate the results.

Finally, I should like to add a few words on the future classification of Mallophaga. We have to deal with a group that, owing to its biological conditions, has suffered what I might call a retarded evolution. There is a general uniformity concealing an infinite number of small variations. Because these variations have been small, they have never been considered of generic value. But I claim that, if we are ever to put the systematics of the group upon a satisfactory basis, we must accord it special treatment, on account of its special biological relations. We must allow more value to small differences than is allowed among groups of free-living insects. The present large genera of Mallophaga are absurd accumulations of heterogeneous forms. A species is a *Lipeurus*, or a *Degeeriella*, simply because it is just so long and just so broad, and has, or has not, a crotchet upon some segment of the male antenna! My own firm conviction is that the genus *Lipeurus* alone includes almost as many groups of real generic value as there are generic names in my Section iii.

It seems to me that the most valuable kind of systematic work in the immediate future will be close revisional work upon limited groups of species. I have been working myself upon the *Lipeuri* of petrels, and find that, with a general facies that is easily recognised, there are at least eight groups of generic value, each containing a number of species. I find, moreover, that several perfectly valid species are at present confused under a single name, in several instances. Waterston finds the same condition among the species of *Degeeriella* from plovers. Groups such as the *Degeeriella fusca* group from hawks, or the *Philopterus icterodes* group from ducks, are not single species, but are capable of being separated, by careful work, into a number of species. Such work is of more importance at the present time than the description of casual new species, unless the latter present particularly striking and important features.

I have to offer my thanks to several friends and correspondents for help of various kinds, among whom I may mention especially Messrs James Waterston, Imperial Bureau of Entomology; Bruce Cummings, British Museum; and G. F. Ferris, Stanford University. To Professor Nuttall, who has given me a free hand to indulge in such typographical

- aeruginosi*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852, p. 16 = *Degeeriella fusca* N. *Nom. nud.*
(*Degeeriella aeruginosi* Leach.)
- alaudae*. Schrank, *Beyträge*, 1776, p. 115, figs. 5-6. Syn. *Menopon parviceps* Piaget.
(*Menopon alaudae* Schr.)
- albicillae*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852, p. 39 = *Laemobothrion tinnunculi* L.
(*Laemobothrion albicillae* Leach.)
- albiventris*. Scopoli, *Ent. Carn.*, 1763, p. 385 = *Pediculus* (*Philo-
pterus*) *subfavescentis* Geoff.
(*Philopterus albiventris* Scop.)
- ardeae-cinereae*. Fabricius, *Ent. Syst.*, 1794, p. 422 = *ardeae* L.
(*Esthiopterum ardeae-cinereae* Fabr.)
- ardealis*. Scopoli, *Ent. Carn.*, 1763, p. 384 = *ardeae* L.
(*Esthiopterum ardeale* Scop.)
- auritus*. Scopoli, *Ent. Carn.*, 1763, p. 383. From *Picus major*;
P. martius. Syn. *Docophorus superciliosus* Nitzsch.
(*Philopterus auritus* Scop.)
- aleae-arcticae*. Müller, *Zool. Dan. Prod.*, 1776, p. 185. *Nom. nud.*
- anatis*. Fabricius, *Ent. Syst., Suppl.*, 1798, p. 571 = *Esthiopte-
rum crassicorne* Scop. (Syn. *Lipeurus squalidus*
Nitzsch). (*Esthiopterum anatis* Fabr.)
- anserinus*. Fabricius, *Syst. Ant.*, 1805, p. 345. Syn. *Trinoton
conspurcatum* Nitzsch.
(*Trinoton anserinum* Fabr.)
- anseris*. Linné, *Syst. Nat.*, 1758, p. 612. Syn. *Lipeurus jejunos*
Nitzsch. (*Esthiopterum anseris* L.)
- anseris*. Sulzer, *Abg. Ges. Ins.*, 1776, Taf. 29, f. 4, nec Linné
= *anserinus* Fabr.
(*Trinoton anseris* Sulz.)
- ardeae*. Linné, *Syst. Nat.*, 1758, p. 613. Syn. *Lipeurus leuco-
pygus* Nitzsch. (*Esthiopterum ardeae* L.)
- bassanae*. O. Fabricius, *Faun. Groen.*, 1780, p. 218. Syn. *Lipeurus
pullatus* Nitzsch.
(*Pectinopygus bassanae* O. Fabr.)
- bassani*. Müller, *Zool. Dan. Prod.*, 1776, p. 185. *Nom. nud.*
- biarmici*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852, p. 11 = *Docophorus pari* Denny. *Nom. nud.*
(*Philopterus biarmici* Leach.)
- bidentatus*. Scopoli, *Ent. Carn.*, 1763, p. 385. Syn. *Goniocotes
compar* Nitzsch. (*Goniocotes bidentatus* Scop.)
- bifurcatus*. Olfers, *De Vegetativis etc.*, 1816, p. 83 = *porcelli* Linn.
(*Gliricola bifurcata* Olf.)
- bovis*. Linné, *Syst. Nat.*, 1758, p. 611. Syn. *Trichodectes
scalaris* Nitzsch. (*Trichodectes bovis* L.)

- brachyoti*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852, p. 13 = *Philopterus cursor* Nitzsch. *Nom. nud.*
(*Philopterus brachyoti* Leach.)
- buteonis*. Fabricius, *Gen. Ins.*, 1776, p. 309 = *maximus* Scop.
(*Laemobothrion buteonis* Fabr.)
- canis*. *Ricinus*. Degeer, *Mém. Hist. Ins.*, 1778, vii, p. 81, Pl. 4, f. 16. Syn. *Trichodectes latus* Nitzsch.
(*Trichodectes canis* Degeer.)
- caponis*. Linné, *Syst. Nat.*, 1758, p. 614. Syn. *Lipeurus variabilis* Nitzsch.
(*Lipeurus caponis* L.)
- cervi*. Linné, *Syst. Nat.*, 1758, p. 611. Syn. *Trichodectes longicornis* Nitzsch.
(*Trichodectes cervi* L.)
- charadrii*. Linné, *Syst. Nat.*, 1758, p. 613. Founded upon Redi's Pl. xi (quoted in error as ix) which includes a *Colpocephalum* and a *Degeeriella*. Neither figure is specifically referred to, so the name must be discarded.
- chelidonius*. Schrank, *Fauna Boica*, 1803, p. 194. Host given as 'Spürschwalbe' for which I cannot find a meaning.
(*Degeeriella chelidonia* Schr.)
- chloridis*. Schrank, *Beyträge*, 1776, p. 118, f. 10 = *subflavescens* Geoff.
(*Philopterus chloridis* Schr.)
- chloropodis*. Schrank, *Fauna Boica*, 1803, p. 189. Syn. *Laemobothrion nigrum* Burm.
(*Laemobothrion chloropodis* Schr.)
- ciconiae*. Linné, *Syst. Nat.*, 1758, p. 613. Syn. *Lipeurus versicolor* Nitzsch. (*Esthiopterum ciconiae* L.)
- circi*. *Ricinus*. Latreille, *Hist. Nat. Ins.*, 1803, p. 103 = *tinnunculi* L. (*Laemobothrion circi* Latr.)
- citrinellae*. Schrank, *Beyträge*, 1776, p. 116, f. 7 = *subflavescens* Geoff.
(*Philopterus citrinellae* Schr.)
- clangulae*. O. Fabricius, *Faun. Groen.*, 1780, p. 217 = *querquedulae* L.
(*Trinoton clangulae* O. Fabr.)
- coarctatus*. Scopoli, *Ent. Carn.*, 1763, p. 382. Syn. *Menopon fuscocinctum* Denny.
(*Menopon coarctatum* Scop.)
- coelebitis*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852, p. 14. *Nom. nud.* = *subflavescens* Geoff.
(*Philopterus coelebitis* Leach.)
- collurionis*. Schrank, *Fauna Boica*, 1803, p. 187 = *coarctatus* Scop.
(*Menopon collurionis* Schr.)
- columbae*. Linné, *Syst. Nat.*, 1758, p. 614. Syn. *Lipeurus baculus* Nitzsch. (*Esthiopterum columbae* L.)
- colymbi-grylle*. Müller, *Zool. Dan. Prod.*, 1776, p. 185. *Nom. nud.*

- colymbinus*. Scopoli, *Ent. Carn.*, 1763, p. 384. Syn. *Nirmus fuscomarginatus* Denny.
(*Degeeriella colymbina* Scop.)
- cornicis*. Fabricius, *Syst. Ent.*, 1775, p. 807 = *ocellatus* Scop.
(*Philopterus cornicis* Fabr.)
- cornicis*. *Ricinus*. Degeer, *Mém. Hist. Ins.*, 1778, vii, p. 76, Pl. 4, f. 11. Syn. *Menopon mesoleucum* Nitzsch.
Invalidated by previous species.
(*Myrsidea cornicis* Degeer.)
- corvi*. Linné, *Syst. Nat.*, 1758, p. 612. Syn. *Docophorus atratus* Nitzsch. (*Philopterus corvi* L.)
- crassicornis*. Scopoli, *Ent. Carn.*, 1763, p. 383. Syn. *Lipeurus squallidus* Nitzsch.
(*Esthiopterum crassicorne* Scop.)
- crassicornis*. *Nirmus*. Olfers, *De vegetativis etc.*, 1816, p. 88. Syn. *Lipeurus jejunus* Nitzsch. Invalidated by previous species.
(*Esthiopterum crassicorne* Olf.)
- cuculi*. Fabricius, *Syst. Ent.*, 1775, p. 807 = *fasciatus* Scop.
(*Menopon cuculi* Fabr.)
- curuccae*. Schrank, *Beyträge*, 1776, p. 113. Syn. *Menopon minutum* Nitzsch.
(*Menopon curuccae* Schr.)
- curvirostrae*. Schrank, *Beyträge*, 1776, p. 117, f. 8 = *subflavescens* Geoff.
(*Philopterus curvirostrae* Schr.)
- cuspidatus*. Scopoli, *Ent. Carn.*, 1763, p. 385. Syn. *Nirmus cuspidatus* Denny.
(*Rallicola cuspidata* Scop.)
- cygni*. Linné, *Syst. Nat.*, 1758, p. 612. Syn. *Ornithobius cygni* Denny. (*Ornithobius cygni* L.)
- dentatus*. Scopoli, *Ent. Carn.*, 1763, p. 383. Syn. *Docophorus icterodes* Nitzsch. (*Philopterus dentatus* Scop.)
- diomedae*. Fabricius, *Syst. Ent.*, 1775, p. 808. Syn. *Lipeurus ferox* Giebel. (*Esthiopterum diomedae* Fabr.)
- dolichocephalus*. Scopoli, *Ent. Carn.*, 1763, p. 382. Syn. *Physostomum sulphureum* Nitzsch.
(*Ricinus dolichocephalus* Scop.)
- elongatus*. *Nirmus*. Olfers, *De vegetativis etc.*, 1816, p. 88. Syn. *Physostomum mystax* Nitzsch.
(*Ricinus elongatus* Olf.)
- emberizae*. *Ricinus*. Degeer, *Mém. Hist. Ins.*, 1778, vii, p. 74, Pl. 4, f. 9-10 = *subflavescens* Geoff.
(*Philopterus emberizae* Degeer.)
- equi*. Linné, *Syst. Nat.*, 1758, p. 612. Syn. *Trichodectes parumpilosus* Piaget.
(*Trichodectes equi* L.)

- fasciatus*. Scopoli, *Ent. Carn.*, 1763, p. 383. Syn. *Menopon phanerostigmaton* Nitzsch.
(*Menopon fasciatum* Scop.)
- filiformis*. *Nirmus*. Olfers, *De vegetativis etc.*, 1816, p. 90
= *columbae* L. (*Esthiopterum filiforme* Olf.)
- flammeineae*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852,
p. 10. *Nom. nud.* Syn. *Docophorus rostratus*
Nitzsch. (*Philopterus flammeineae* Leach.)
- fornicatus*. *Nirmus*. Olfers, *De vegetativis etc.*, 1816, p. 89.
A *Philopterus* from gulls and terns, not recognisable
with certainty. Discard.
(*Philopterus fornicatus* Olf.)
- fringillae*. Scopoli, *Annus V*, 1772, p. 125. Not recognisable
generically. Discard.
- fringillae*. *Ricinus*. Degeer, *Mém. Hist. Ins.*, 1778, vii, p. 71,
Pl. 4, f. 5-8. Invalidated by previous species
= *Physostomum nitidissimum* Nitzsch.
(*Ricinus fringillae* Degeer.)
- fulicae*. Linné, *Syst. Nat.*, 1758, p. 613. Founded on Redi's
Tav. 4, which includes three species belonging to
three different genera. As no figure is definitely
indicated, the name must be discarded.
- fulicae*. Schrank, *Fauna Boica*, 1803, p. 191. Reference to
Redi, Tav. 4, f. 3, which is the *Docophorus pertusus*
of Nitzsch. Invalidated by previous species.
(*Philopterus fulicae* Schr.)
- fuligulae*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852,
p. 13. *Nom. nud.* = *dentatus* Scop.
(*Philopterus fuligulae* Leach.)
- gallinae*. Linné, *Syst. Nat.*, 1758, p. 613. Syn. *Menopon pallidum* Nitzsch.
(*Menopon gallinae* L.)
- gallinae*. *Ricinus*. Degeer, *Mém. Hist. Ins.*, vii, 1778, p. 79,
Pl. 4, f. 15. Invalidated by previous species
= *Goniocotes hologaster* Nitzsch.
(*Goniocotes gallinae* Degeer.)
- gallipavonis*. Geoffroy, *Hist. Abr. Ins.*, 1762, p. 600 = *meleagridis* L.
(*Lipeurus gallipavonis* Geoff.)
- glandarii*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852,
p. 8. *Nom. nud.* = *Docophorus fulvus* Nitzsch.
(*Philopterus glandarii* Leach.)
- globifer*. *Nirmus*. Olfers, *De vegetativis etc.*, 1816, p. 91 = *sub-
flavescens* Geoff. (*Philopterus globifer* Olf.)
- gruis*. Linné, *Syst. Nat.*, 1758, p. 613. Syn. *Lipeurus ebraeus*
Nitzsch. (*Esthiopterum gruis* L.)
- grylle*. O. Fabricius, *Faun. Groen.*, 1780, p. 218. Syn.
Docophorus megacephalus Denny.
(*Philopterus grylle* O. Fabr.)

- haematopi*. Linné, *Syst. Nat.*, 1758, p. 613. Founded on No. 1164 of *Fn. Suec.* Genus not recognisable with certainty. Discard.
- haematopodis*. Fabricius, *Syst. Ant.*, 1805, p. 347, emend. for *haematopi* L. Discard.
- haematopus*. Scopoli, *Ent. Carn.*, 1763, p. 381. A *Philopterus*. Invalidated by *haematopi* L.
(*Philopterus haematopus* Scop.)
- hasticeps*. *Nirmus*. Olfers, *De vegetativis etc.*, 1816, p. 87 = *tinnunculi* L. (*Laemobothrion hasticeps* Olf.)
- hiaticulae*. Müller, *Zool. Dan. Prod.*, 1776, p. 185. *Nom. nud.*
- hiaticulae*. "Müller," O. Fabricius, *Faun. Groen.*, 1780, p. 220. Syn. *Nirmus fissus* Nitzsch in Burm.
(*Degeeriella hiaticulae* Müll.)
- himantopi*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852, p. 10. *Nom. nud.*
(*Philopterus himantopi* Leach.)
- hirundinis*. Fabricius, *Syst. Ent.*, 1775, p. 809. Not recognisable. Discard.
- hirundinis*. "Linn. *Fn. Suec.*, No. 1963." Schrank, *Fauna Boica*, 1803, p. 193. A Menoponid, probably = *Dennyus burmeisteri* Denny, not *Docophorus excisus* as quoted by Nitzsch, 1818, p. 290. In any case, is invalidated by the previous species, with which it is not identical.
- houbarae*. *Ricinus*. Barthélemy, *Ann. Soc. Ent. France*, v, 1836, p. 689. (Binomial is used only in explanation of Pl. xx, f. B.) An *Esthiopterum*.
(*Esthiopterum houbarae* Bart.)
- infausti*. Linné, *Syst. Nat.*, 1758, p. 612. Based on a brief description in the *Fn. Suec.* of what is very clearly a Psocid. Discard.
- junceus*. Scopoli, *Ent. Carn.*, 1763, p. 384.
(*Degeeriella juncea* Scop.)
- lagopi*. Linné, *Syst. Nat.*, 1758, p. 614. Founded on brief description of No. 1167, *Fn. Suec.* Not recognisable with certainty. Discard.
- lagopodis*. Fabricius, *Syst. Ant.*, 1805, p. 349, emend. for *lagopi* L. Discard.
- lanii*. Fabricius, *Ent. Syst. Suppl.*, 1798, p. 570. Syn. *Docophorus fuscicollis* Nitzsch.
(*Philopterus lanii* Fabr.)
- lari*. Müller, *Zool. Dan. Prod.*, 1776, p. 185. *Nom. nud.*
- lari*. *Ricinus*. Degeer, *Mém. Hist. Ins.*, vii, 1778, p. 77, Pl. 4, f. 12 = *querquedulae* L.
(*Trinoton lari* Degeer.)

- lari*. O. Fabricius, *Faun. Groen.*, 1780, p. 219. A *Philopterus*.
Invalidated by previous species.
(*Philopterus lari* O. Fabr.)
- maximus*. Scopoli, *Ent. Carn.*, 1763, p. 382 = *tinnunculi* L.
(*Laemobothrion maximum* Scop.)
- meleagridis*. Linné, *Syst. Nat.*, 1758, p. 613. Syn. *Goniodes stylifer*
Nitzsch. (*Goniodes meleagridis* L.)
- meleagridis*. Panzer, *Ins. Germ.*, 1793. Syn. *Menopon stramineum*
Nitzsch. Invalidated by previous species.
(*Menopon meleagridis* Panz.)
- melis*. Fabricius, *Syst. Ant.*, 1805, p. 341. Syn. *Trichodectes*
crassus Nitzsch. (*Trichodectes melis* Fabr.)
- mergi*. Fabricius, *Spec. Ins.*, 1781, p. 480 = *Ricinus mergi-*
serrati Degeer. (*Esthiopterum mergi* Fabr.)
- mergi*. Guérin, *Encyc. Meth.*, 1818?, Pl. 254, f. 2. Credited
to "Linn. Gm." Invalidated by previous species.
Is a *Philopterus*.
(*Philopterus mergi* [L.] Guérin.)
- mergiserrati*. *Ricinus*. Degeer, *Mém. Hist. Ins.*, vii, 1778, p. 78,
Pl. 4, f. 13. Syn. *Lipeurus temporalis* Nitzsch.
(*Esthiopterum mergiserrati* Degeer.)
- merulae*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852,
p. 18. *Nom. nud.* = *Nirmus merulensis* Denny.
(*Degeeriella merulae* Leach.)
- monedulae*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852,
p. 7. *Nom. nud.* = *Docophorus guttatus* Nitzsch.
(*Philopterus monedulae* Leach.)
- moschatae*. Linné, *Syst. Nat.*, 1758, p. 612. Founded on Redi,
Tav. ix, f. 1. (*Acidoproctus moschatae* L.)
- motacillae*. Fabricius, *Gen. Ins.*, 1776, p. 310 = *subflavescens* Geoff.
(*Philopterus motacillae* Fabr.)
- mustelae*. Schrank, *Faun. Boica*, 1803, p. 186. Syn. *Trichodectes*
retusus Nitzsch. (*Trichodectes mustelae* Schr.)
- nisi*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852,
p. 7. *Nom. nud.* = *Docophorus nisi* Denny.
- ocellatus*. Scopoli, *Ent. Carn.*, 1763, p. 382.
(*Philopterus ocellatus* Scop.)
- orioli*. Fabricius, *Gen. Ins.*, 1776, p. 309 = *dolichocephalus*
Scop. (*Ricinus orioli* Fabr.)
- ortygometae*. Schrank, *Ins. Aust.*, 1781, p. 503. Syn. *Oncophorus*
attenuatus [Nitzsch] Piaget.
(*Rallicola ortygometae* Schr.)
- ostralegi*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852,
p. 8. *Nom. nud.* Invalidated by *Docophorus*
ostralegi Denny, the type of which proves it to be
a synonym of *D. leontodon* Nitzsch (= *sturni* Schr.).
Leach's MS. apparently refers to the true *Philopterus*
of the oyster-catcher.

- ovalis*. Scopoli, *Ent. Carn.*, 1763, p. 384. From *Scolopax* (*Numenius*) *arquatus*. Not recognisable. Discard.
- ovis*. Linné, *Syst. Nat.*, 1758, p. 611. Syn. *Trichodectes sphaerocephalus* Olf.
(*Trichodectes ovis* L.)
- ovisarietis*. Schrank, *Faun. Boica*, 1803, p. 187 = *ovis* L.
(*Trichodectes ovisarietis* Schr.)
- pari*. Linné, *Syst. Nat.*, 1758, p. 614. Founded on Frisch, *Ins.* viii, p. 9, t. 1, f. 5. Not recognisable. Discard.
- paripalustris*. Scopoli, *Annus* V, 1772, p. 125. Not recognisable. Discard.
- passeris*. de Fourcroy, *Ent. Paris.*, 1785, p. 518 = *subflavescens* Geoff.
(*Philopterus passeris* Four.)
- pavonis*. Linné, *Syst. Nat.*, 1758, p. 613. Syn. *Goniodes falcicornis* Nitzsch.
(*Goniodes pavonis* L.)
- phasiani*. Fabricius, *Gen. Ins.*, 1776, p. 310. Not recognisable with any certainty. Discard.
- picae*. Linné, *Syst. Nat.*, 1758, p. 612. Founded on Redi, *Exp.*, t. 5. In the original Italian edition, this figure is stated to refer to a parasite of an egret (*garza*). The Latin edition translates this as if it were *gazza*, a jay. Linné's species is undoubtedly that mentioned in the *Fauna Suecica* as coming from *Pica lapponica*. Redi's figure is not recognisable, and it would seem best to discard the name.
- pici*. Fabricius, *Ent. Syst., Suppl.*, 1798, p. 570. Syn. *Docophorus scalaris* Nitzsch.
(*Philopterus pici* Fabr.)
- pici*. Schrank, *Faun. Boica*, 1803, p. 188. *Nom. nov.* for *auritus* Scop. (*Philopterus pici* Schr.)
- pilosus*. Scopoli, *Ent. Carn.*, 1763, p. 384. Not recognisable. Discard.
- plataleae*. Linné, *Syst. Nat.*, 1758, p. 613. Syn. *Lipeurus plat-alearum* Nitzsch. (*Esthiopterum plataleae* L.)
- porcelli*. Linné, [*Syst. Nat.*, 1758, p. 611, without description or indication]. Cr. Linn. and described by Schrank, *Ins. Aust.*, p. 500. Syn. *Gyropus gracilis* Nitzsch.
(*Gliricola porcelli* L.)
- procellariae*. Fabricius, *Syst. Ent.*, 1775, p. 808. From a *Procellaria* from Brazil. The type is not contained in the Banks Collection in the British Museum. An *Esthiopterum*, not recognisable. Discard.
(*Esthiopterum procellariae* Fabr.)
- procellariae*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852, p. 26. *Nom. nud.* = *Lipeurus pelagicus* Denny.
(*Esthiopterum procellariae* Leach.)

- prognos.* Schrank, *Faun. Boica*, 1803, p. 194, *nom. nov.* for *hirundinis* Fabr. (1775) *nec* Linn. in Schrank (1803). Linné's name appeared in *Faun. Suec.*, but not in *Syst. Nat.* = *hirundinis* Fabr., which is not recognisable. Discard.
- pterocephalus.* *Nirmus.* Olfers, *De vegetativis etc.*, 1816, p. 91 = *rubeculae* Schr. (taking first host mentioned).
(*Ricinus pterocephalus* Olf.)
- pyrrhulae.* Schrank, *Beyträge*, 1776, p. 117, f. 9 = *subflavescens* Geoff.
(*Philopterus pyrrhulae* Schr.)
- pyrrhulae.* Panzer, *Ins. Germ.*, 1793, figures a *Menopon*. Invalidated by last species.
(*Menopon pyrrhulae* Panz.)
- querquedulae.* Linné, *Syst. Nat.*, 1758, p. 612. Founded on Redi, *Exp.*, t. 12. Syn. *Trinoton luridum* Nitzsch.
(*Trinoton querquedulae* L.)
- ralli.* Scopoli, *Annus V*, 1772, p. 125. Not recognisable. Discard.
- recurvirostrae.* Linné, *Syst. Nat.*, 1758, p. 613. Founded on No. 1163 of *Faun. Suec.* A *Degeeriella*, not recognisable with certainty. Discard.
(*Degeeriella recurvirostrae* L.)
- rubeculae.* Schrank, *Beyträge*, 1776, p. 115, f. 4. Syn. *Physostomum agonum* Nitzsch.
(*Ricinus rubeculae* Schr.)
- saviae.* Schrank, *Faun. Boica*, 1803, p. 186, for *porcelli* Linn.
(*Glicicola saviae* Schr.)
- scolopacisphaeopodis.* Schrank, *Faun. Boica*, 1803, p. 191. Probably = *Docophorus rotundatus* Nitzsch, but not certain. Discard.
- [*setosus.*] Olfers, *De vegetativis etc.*, 1816, p. 84, quoted by Giebel and others as a synonym of *Trichodectes latus* Nitzsch, is really the louse, *Linognathus piliferus* Burm.
- sphaerocephalus.* Olfers, *De vegetativis etc.*, 1816, p. 85 = *ovis* L.
(*Trichodectes sphaerocephalus* Olf.)
- sternae.* Linné, *Syst. Nat.*, 1758, p. 612. Founded on Redi, *Exp.*, t. 9, f. 2. Probably *Docophorus melanocephalus* Burm., but not certain. Discard.
(*Philopterus sternae* L.)
- stridulae.* *Nirmus.* Leach MS. in Denny, *List. Brit. An.*, 1852, p. 13. *Nom. nud.* = *Docophorus cursor* Nitzsch.
(*Philopterus stridulae* Leach.)
- strigis.* Scopoli, *Annus V*, 1772, p. 124. Not recognisable. Fabricius, *Syst. Ent.*, 1775, p. 806. Not recognisable. Müller, *Zool. Dan. Prod.*, 1776, p. 185, *nom. nud.* O. Fabricius, *Faun. Groen.*, 1780, p. 216, description of Müller's species, a *Philopterus*. Name invalidated by prior use. (*Philopterus strigis* Fabr.)

- sturni*. Schrank, *Beyträge*, 1776, p. 118, figs. 11-14. Syn. *Docophorus leontodon* Nitzsch.
(*Philopterus sturni* Schr.)
- subflavescens*. Geoffroy, *Hist. Abr. Ins.*, 1762, ii, p. 599. Syn. *Docophorus communis* Nitzsch.
(*Philopterus subflavescens* Geoff.)
- tadornae*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852, p. 26. *Nom. nud.* = *Lipeurus tadornae* Denny.
- tantali*. Fabricius, *Ent. Syst., Suppl.*, 1798, p. 571. *Tantalus leucocephalus* India.
(*Esthiopterum tantali* Fabr.)
- tauri*. Olfers, *De vegetativis etc.*, 1816, p. 85. *Nom. nud.* = *bovis* Linn. (*Trichodectes tauri* Olf.)
- tetragonocephalus*. *Nirmus*. Olfers, *De vegetativis etc.*, 1816, p. 90 = *paronis* Linn. (*Goniodes tetragonocephalus* Olf.)
- tetraonis*. Linné, *Syst. Nat.*, 1758, p. 614. *Tetrao tetrrix*.
(*Goniodes tetraonis* L.)
- tinnunculi*. Linné, *Syst. Nat.*, 1758, p. 612. Syn. *Laemobothrion giganteum* Nitzsch.
(*Laemobothrion tinnunculi* L.)
- tinnunculi*. Guérin, *Encyc. Meth.*, ? 1818, Pl. 254, f. 1. Cred. "Linn. Gm." Is a *Philopterus*. Invalidated by last species.
(*Philopterus tinnunculi* Guérin.)
- totani*. Schrank, *Faun. Boica*, 1803, p. 191. Not recognisable. Discard.
- trigonocephalus*. *Nirmus*. Olfers, *De vegetativis etc.*, 1816, p. 90 = *gallinae* Linn.
(*Menopon trigonocephalus* Olf.)
- tringae*. O. Fabricius, *Faun. Groen.*, 1780, p. 219. Not recognisable. Discard.
- tringae*. Schrank, *Faun. Boica*, 1803, p. 190 = *junceus* Scop., *nec tringae* O. Fabr.
(*Degeeriella tringae* Schr.)
- tringaestriatae*. Müller, *Zool. Dan. Prod.*, 1776, p. 185. *Nom. nud.*
- truncatus*. *Nirmus*. Olfers, *De vegetativis etc.*, 1816, p. 91. Not *Pediculus chelidoneus* Schr. as stated. Syn. *Nitzschia burmeisteri* Denny.
(*Dennyus truncatus* Olf.)
- upupae*. Schrank, *Faun. Boica*, 1803, p. 189.
(*Philopterus upupae* Schr.)
- urogalli*. Schrank, *Faun. Boica*, 1803, p. 192. *Nom. nud.*
- vagelli*. Fabricius, *Mant. Ins.*, 1787, p. 369. *Procellaria glacialis*.
(*Ancistrona vagelli* Fabr.)
- vanelli*. Schrank, *Faun. Boica*, 1803, p. 190. A *Degeeriella*, species not recognisable.
(*Degeeriella vanelli* Schr.)

- vanelli*. *Nirmus*. Leach MS. in Denny, *List. Brit. An.*, 1852, p. 21 = *Nirmus junceus* Scop.
(*Degeeriella vanelli* Leach.)
- vulturis*. Fabricius, *Syst. Ent.*, 1775, p. 806. A *Laemobothrion*, species not recognisable.
(*Laemobothrion vulturis* Fabr.)

Names discarded in this list.

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|---------------------------------------|--------------------------------------|
| <i>Pediculus aleae-arcticae</i> Müll. | <i>Pediculus ovalis</i> Scop. |
| „ <i>bassani</i> Müll. | „ <i>pari</i> Linn. |
| „ <i>charadrii</i> Linn. | „ <i>paripalustris</i> Scop. |
| „ <i>colymbi-grylle</i> Müll. | „ <i>phasiani</i> Fabr. |
| „ <i>fringillae</i> Scop. | „ <i>picae</i> Linn. |
| „ <i>fulicae</i> Linn. | „ <i>pilosus</i> Scop. |
| „ <i>haematopi</i> Linn. | „ <i>prognos</i> Schr. |
| „ <i>haematopodis</i> Fabr. | „ <i>ralli</i> Scop. |
| „ <i>hirundinis</i> Fabr. | „ <i>scolopacis-phaeopodis</i> Schr. |
| „ <i>infausti</i> Linn. | „ <i>totani</i> Schr. |
| „ <i>lagopi</i> Linn. | „ <i>tringae</i> O. Fabr. |
| „ <i>lagopodis</i> Fabr. | „ <i>tringae-striatae</i> Müll. |
| <i>Pediculus urogalli</i> Schr. | |

III.

LIST OF GENERIC AND SUBGENERIC NAMES, VALID AND INVALID, USED FOR MALLOPHAGA.

[*Note.* Genera not treated as valid in the List of Species which follows are printed in italics.]

- Acidoproctus.** Piaget, *Tijd. v. Ent.*, vi, 1878, p. 178. Type, *A. marginatus* Piaget.
- Akidoproctus.* Piaget, *Les Pédiculines*, 1880, p. 208, = *Acidoproctus*.
- Ancistrocephalus.* Paine, *Psyche*, xx, 1913, p. 158 (*nec* Monticelli), = *Physconella*.
- Ancistrona.** Westwood, *Thesaurus Entomologicus Oxoniensis*, 1874, p. 197. Type, *A. procellariae* Westwood, = *A. vagelli* Fabricius.
- Aptericola.** Harrison, *Parasitology*, viii, 1915, p. 90. Type, *A. gadowi* Harrison.
- Austrogoniodes.** Harrison, *Parasitology*, vii, 1915, p. 398. Type, *A. waterstoni* Cummings.
- Boopia.** Piaget, *Les Pédiculines*, 1880, p. 599. Type, *B. tarsata* Piaget.

- Bothriometopus.** Taschenberg, *Nova Acta*, Halle, xliv, 1882, p. 188. Type, *B. macrocnemis* Nitzsch.
- Coloceras.* Taschenberg, *Nova Acta*, Halle, xliv, 1882, p. 42. Type, *Goniodes damicornis* Nitzsch.
- Colpocephalum.** Nitzsch, *Germar's Magazin*, iii, 1818, p. 298. Type, *C. zebra* Nitzsch.
- Damalinia.** Mjöberg, *Arkiv f. Zoologi*, vi, 1910, p. 69. Type, *D. crenelata* Piaget.
- Degeeriella.** Neumann, *Bull. Soc. Zool. France*, xx, 1906, p. 59, *nom. nov.* for *Nirmus* Nitzsch, 1818, *nec* Hermann, 1804. Type, *D. discocephala* Nitzsch.
- Dennyus.** Neumann, *Bull. Soc. Zool. France*, xx, 1906, p. 59, *nom. nov.* for *Nitzschia* Denny, 1842, *nec* Von Baer, 1827. Type, *D. burmeisteri* Denny, = *D. truncatus* Olfers.
- Diplocerus.* Nitzsch, in Giebel, *Insecta Epizoa*, 1874, p. 6, = *Gyropus* Nitzsch.
- Docophoroides.** Giglioli, *Quart. Journ. Micr. Science*, iv, 1864, p. 21. Type, *D. brevis* Dufour.
- Docophorus.* Nitzsch, *Germar's Magazin*, iii, 1818, p. 289, = *Philopterus* Nitzsch. (Neumann, 1906.)
- Eomenopon.** Harrison, *Parasitology*, vii, 1915, p. 385. Type, *E. denticulatus* Harrison.
- Esthiopterum.** Harrison, *nov.*, see p. 26. Type, *E. ebraeum* Nitzsch, in Burmeister.
- Eureum.** Nitzsch, *Germar's Magazin*, iii, 1818, p. 301. Type, *E. cimicoides* Nitzsch.
- Eurymetopus.* Taschenberg, *Nova Acta*, Halle, xliv, 1882, p. 182, *nec* Schönherr, 1840, = *Docophoroides* Giglioli.
- Eurytrichodectes.** Stobbe, *Ent. Rundschau*, xxx, 1913, p. 111. Type, *E. paradoxus* Stobbe.
- Eutrichophilus.** Mjöberg, *Arkiv f. Zoologi*, vi, 1910, p. 71. Type, *E. cercolabes* Mjöberg.
- Giebelia.** Kellogg, *New Mallophaga*, i, 1896, p. 137. Type, *G. mirabilis* Kellogg.
- Gliricola.** Mjöberg, *Arkiv f. Zoologi*, vi, 1910, p. 18. Type, *G. porcelli* Linné.
- Goniocotes.** Burmeister, *Handbuch der Entomologie*, ii, 1838, p. 431. Type, *G. hologaster* Nitzsch.
- Goniodes.** Nitzsch, *Germar's Magazin*, iii, 1818, p. 293. Type, *G. pavonis* Linné.
- Gonocephalus.* Lyonet (De Haan), *Mem. Mus.*, xviii, 1829, p. 268. Type, *G. chelicornis* Nitzsch. Quoted by Giebel, *Z. f. d. ges. Nat.*, xviii, 1861, p. 306, as from Nitzsch's MS.

- Gyropus.** Nitzsch, *German's Magazin*, iii, 1818, p. 303. Type, *G. ovalis* Nitzsch.
- Haemabarus.* Nitzsch, in Giebel, *Insecta Epizoa*, 1874, p. 6, = *Gyropus* Nitzsch.
- Heterodoxus.** Le Souëf and Bullen, *Vict. Naturalist*, xviii, 1902, p. 159. Type, *H. longitarsus* Piaget.
- Heteroproctus.** Harrison, *Parasitology*, vii, 1915, p. 394. Type, *H. hilli* Harrison.
- Kelloggia.** Carriker, *Univ. Studies*, Nebraska, iii, 1903, p. 31. Type, *K. brevipes* Carriker.
- Laemobothrion.** Nitzsch, *German's Magazin*, iii, 1818, p. 301. Type, *L. giganteum* Nitzsch = *L. tinnunculi* Linné.
- Laemobothrium.* Burmeister, *Handbuch der Entomologie*, ii, 1838, p. 441, = *Laemobothrion*.
- Latumcephalum.** Le Souëf, *Vict. Naturalist*, xix, 1902, p. 51. Type, *L. macropus* Le Souëf.
- Lepidophorus.* Taschenberg, *Nova Acta*, Halle, xlv, 1882, p. 61, nec Kirby, 1837, = *Ornicholax* Carriker.
- Liotheum.* Nitzsch, Voigt's *Mag. f. d. Naturk.*, 1806, p. 420, = *Ricinus* Degeer.
- Lipeurus.** Nitzsch, *German's Magazin*, iii, 1818, p. 292. Type, *L. caponis* Linné.
- Machaerilaemus.** Harrison, *Parasitology*, vii, 1915, p. 389. Type, *M. latifrons* Harrison.
- Mackayia.* Waterston, *Scottish Naturalist*, 1912, p. 251, = *Trabeculus* Rudow.
- Maenopon.* Packard, 6th *Ann. Rept. U.S. Geol. Survey*, 1872, p. 731, = *Menopon* Nitzsch.
- Menacanthus.* Neumann, *Arch. de Parasitologie*, xv, 1912, p. 353. Type, *Menopon robustum* Kellogg, = *Menopon* Nitzsch.
- Menopon.** Nitzsch, *German's Magazin*, iii, 1818, p. 299. Type, *M. gallinae* Linné.
- Menopum.* Neumann, *Bull. Soc. Zool. France*, xx, 1906, p. 59, emendation of *Menopon* Nitzsch, *q.v.*
- Metapeuron.* Rudow, *Zeit. f. d. ges. Nat.*, xxxvi, 1870, p. 138 (type, *M. punctatum* Rudow, = *Ornithobius cygni* Linné), = *Ornithobius* Denny.
- Micropus.* Denny, *Monographia Anoplurorum*, 1842, p. 247, nec Wolf, 1810, = *Gliricola* Mjöberg.
- Myrsidea.** Waterston, *Ent. Month. Mag.*, 1915, p. 12. Type, *M. victrix* Waterston.
- Nesiotes.* Kellogg, *Biol. Bull. Marine Lab. Wood's Holl*, v, 1903, p. 89, caption of text-figure, nec Wollaston, 1861, = *Nesiotinus* Kellogg.

- Nesiotinus.** Kellogg, *Biol. Bull. Marine Lab. Wood's Holl*, v, 1903, p. 89. Type, *N. demersus* Kellogg.
- Nirmus.** Hermann, *Mémoire Aptérologique*, 1804, = *Ricinus* Degeer. (See Neumann, 1906.)
- Nirmus.** Nitzsch, *German's Magazin*, iii, 1818, p. 291 (type, *N. discocephalus* Nitzsch), nec Hermann, 1804, = *Degeeriella* Neumann.
- Nitzschia.** Denny, *Monographia Anoplurorum*, 1842, p. 230, nec Baer, 1827, = *Dennyus* Neumann.
- Oncophorus.** Rudow, *Zeit. f. d. ges. Nat.*, xxxv, 1870, p. 475, = *Trabeculus* Rudow.
- Oncophorus.** Piaget, *Les Pédiculines, Supplement*, 1885, p. 35, nec Rudow, 1870, = *Strigiphilus* Mjöberg, *Rallicola* Johnston and Harrison, *Parricola* and *Paroncophorus* Harrison.
- Ornicholax.** Carriker, *Univ. Studies, Nebraska*, iii, 1903, p. 29. Type, *O. robustus* Carriker.
- Ornithobius.** Denny, *Monographia Anoplurorum*, 1842, p. 183. Type, *O. cygni* Linné.
- Ornithonomus.** Neumann, *Parasites et Maladies parasitaires des Oiseaux domestiques*, Paris, 1909, p. 9, nom. nov. for *Ornithobius* Denny, = *Ornithobius* Denny. (See Johnston and Harrison, 1911.)
- Oxylipeurus.** Mjöberg, *Arkiv f. Zoologi*, vi, 1910, p. 91 (type, *Lipeurus inaequalis* Piaget), = *Lipeurus* Nitzsch. (See p. 26.)
- Paragoniocotes.** Cummings, *Ann. Mag. Nat. Hist.*, xvii, 1916, p. 102. Type, *P. gripocephalus* Cummings.
- Paraheterodoxus.** Harrison and Johnston, *Parasitology*, viii, 1915, p. 356. Type, *P. insignis* Harrison and Johnston.
- Paroncophorus.** Harrison, nom. nov. for species of *Oncophorus* Piaget (nec Rudow) not removed to *Rallicola*, *Parricola*, and *Strigiphilus*. Type, *P. cephalotes* Nitzsch. (See p. 127.)
- Parricola.** Harrison, *Parasitology*, viii, 1915, p. 90. Type, *P. sulcata* Piaget.
- Pectinopygus.** Mjöberg, *Arkiv f. Zoologi*, vi, 1910, p. 95. Type, *P. bassanae* O. Fabr.
- Pediculus.** (partim) Linné, *Systema Naturae*, 10th edition, 1758.
- Pelmatocerandra.** Enderlein, *Deutsche Südpolar-Expedition*, 1909, p. 449. Type, *P. setosa* Giebel.
- Philandesia.** Kellogg and Nakayama, *Ent. News*, 1914, p. 198. Type, *P. townsendi* Kellogg and Nakayama.
- Philandria.** Kellogg, *American Naturalist*, xlviii, 1914, p. 275, = *Philandesia* Kellogg and Nakayama.

- Philoceanus.** Kellogg, *Biol. Bull.*, v, 1903, p. 87. Type, *P. becki* Kellogg.
- Philopedon.* "Nitzsch." Quoted in Stephens, *Syst. Cat. Brit. Ins.*, 1829, p. 330, for *Philopterus* Nitzsch.
- Philopterus.** Nitzsch, *German's Magazin*, iii, 1818, p. 288. Type, *P. ocellatus* Scopoli.
- Physconella.** Paine, *Psyche*, xxi, 1914, p. 23, *nom. nov.* for *Ancistrocephalus* Paine, *nec* Monticelli. Type, *P. kelloggi* Paine.
- Physostomum.* Nitzsch, *German's Magazin*, iii, 1818, p. 302 (type, *P. nitidissimum* Nitzsch, = *R. fringillae* Degeer), = *Ricinus* Degeer.
- Piagetia.* Picaglia, *Atti d. Soc. Nat. Modena. Rend. d. Adun.*, ii, 1884, p. 104 (type, *P. ragazzii* Picaglia), *nec* Ritsema, 1874, = *Tetrophthalmus* Grosse.
- Piagetiella.* Neumann, *Bull. Soc. Zool. France*, xx, 1906, p. 59, *nom. nov.* for *Piagetia* Picaglia, *nec* Ritsema, = *Tetrophthalmus* Grosse.
- Pseudomenopon.** Mjöberg, *Arkiv f. Zoologi*, vi, 1910, p. 50. Type, *P. tridens* Nitzsch.
- Pseudonirmus.* Mjöberg, *Arkiv f. Zoologi*, vi, 1910, p. 50 (type, *Degeeriella charcoti* Neumann), = *Esthiopterum* Harrison. (See p. 26.)
- Psittaconirmus.** Harrison, *Parasitology*, vii, 1915, p. 402. Type, *P. australis* Harrison.
- Rallicola.** Johnston and Harrison, *Proc. Linn. Soc. N. S. Wales*, xxxvi, 1911, p. 324. Type, *R. attenuata* Nitzsch.
- Rhopaloceras.* Taschenberg, *Nova Acta*, Halle, xlv, 1882, p. 46. Type, *Goniodes aliceps* Nitzsch.
- Ricinus.** Degeer, *Mémoires pour servir à l'histoire des insectes*, vii, 1778, p. 69. Type, *R. fringillae* Degeer.
- Ricinus.* Enderlein, *Deutsche Südpolar-Expedition*, 1909, p. 447, *nec* Degeer, = *Degeeriella* Neumann.
- Somaphantus.** Paine, *Smithsonian Misc. Coll.*, lxi, No. 23, 1914, p. 1. Type, *S. lusus* Paine.
- Strigiphilus.** Mjöberg, *Arkiv f. Zoologi*, vi, 1910, p. 132. Type, *S. heterocerus* Nitzsch.
- Strongylocotes.* Taschenberg, *Nova Acta*, Halle, xlv, 1882, p. 54. Type, *Goniodes complanatus* Piaget.
- Taschenbergiella.* Neumann, *Deux. Exp. Ant. Française*, 1913, *nom. nov.* for *Taschenbergius* Neumann, 1906, *nec* Schmiedeknecht, 1888, = *Docophoroides* Giglioli.
- Taschenbergius.* Neumann, *Bull. Soc. Zool. France*, xx, 1906, p. 59, *nom. nov.* for *Eurymetopus* Taschenberg, 1882, *nec* Schönherr, 1840, = *Docophoroides* Giglioli.

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| Tetrophthalmus. | Grosse, <i>Zeit. f. wiss. Zool.</i> , xlii, 1885, p. 534. Type, <i>T. chilensis</i> Grosse. |
| <i>Thricodectes.</i> | Bezzi, <i>Rev. Ital. Sci. Nat.</i> , xiii, 1893, p. 97, = <i>Trichodectes</i> . |
| Trabeculus. | Rudow, <i>Zeit. f. d. ges. Nat.</i> , xxvii, 1866, p. 466. Type, <i>T. schillingi</i> Rudow. |
| Trichodectes. | Nitzsch, <i>Germar's Magazin</i> , iii, 1818, p. 294. Type, <i>T. canis</i> Degeer. |
| Trichophilopterus. | Stobbe, <i>Ent. Rundschau</i> , xxx, 1913, p. 105. Type, <i>T. babakotophilus</i> Stobbe. |
| Trimenopon. | Cummings, <i>Bull. Ent. Research</i> , iv, 1913, p. 39. Type, <i>T. jenningsi</i> Kellogg and Paine. |
| <i>Trinotion.</i> | Perry, <i>Proc. Lit. Phil. Soc. Liverpool</i> , xxx, 1876, p. lxxx, for <i>Trinoton</i> Nitzsch. |
| Trinoton. | Nitzsch, <i>Germar's Magazin</i> , iii, 1818, p. 300. Type, <i>T. conspurcatum</i> Nitzsch. |
| <i>Trinotum.</i> | Burmeister, <i>Handbuch der Entomologie</i> , ii, 1838, p. 440, emendation of <i>Trinoton</i> Nitzsch. |
| Trochiloecetes. | Paine and Mann, <i>Psyche</i> , xx, 1913, p. 21. Type, <i>T. prominens</i> Kellogg and Chapman. |

IV.

SCHEME OF CLASSIFICATION.

The classification adopted must be looked upon as provisional. My unpublished work convinces me of the very close relationship between the biting and sucking lice, which has already been foreshadowed by Börner, Cholodkowsky, Fulmek and others, so I reduce the Mallophaga to the level of a Sub-order, retaining the names of Kellogg's sub-orders for the two super-families into which the group is clearly differentiated. The Amblycera I divide into six equivalent families, Boopidae, Trimenoponidae, Gyropidae, Menoponidae, Laemobothriidae, and Ricinidae; the Ischnocera into three, Trichodectidae, Nesiotinidae and Philopteridae, the last of which I again divide into a number of sub-families. As long as many genera still enclose a vast number of heterogeneous forms, it is not possible to make a satisfactory classification. But I have for the present left the large genera alone, preferring to make this list a basis for future revisional work rather than to impair its value by an attempt at revision now. I have rejected altogether three genera, *Menacanthus* Neumann, *Oxylipeurus* Mjöberg, and *Pseudonirmus* Mjöberg. The first of these comprises a heterogeneous assemblage, and, though it may be possible at a later date to

use it in the restricted form suggested by Waterston (1915, p. 12), I can see no advantage in adopting it at present. The second grades so completely into the ordinary circumfasciate *Lipeurus* that there is no justification for granting it generic rank. The type of the third is a petrel *Lipeurus*, close to *L. gurlti*. The name may have to be employed later, but I reject it for the present.

I have been obliged to introduce two new names. From *Oncophorus* Piaget, which is invalidated by *Oncophorus* Rudow, all the species, save two, have been removed to *Rallicola*, *Parricola* and *Strigiphilus*. For these two, *O. cephalotes* Nitzsch and *O. latifrons* Piaget, I propose a new name, *Paroncophorus*, with the former species as type. I have also removed the circumfasciate gallinaceous *Lipeuri*, which unfortunately include the type of the genus (Johnston and Harrison, 1911, p. 326), into the Goniodyinae, and it becomes necessary to propose a new name for the balance of the genus. For this I propose *Esthiopterum*, with *E. (Lipeurus) ebraeum* Burmeister as type.

The names used for many of the genera will probably appear strange to a number of systematic workers. Justification for them will be found in the List of Generic Names, and in the papers of Neumann (1906) and Johnston and myself (1911). The attempt of Enderlein (1909, p. 447) to introduce the genus *Ricinus* Degeer as an equivalent for *Nirmus* Nitzsch requires to be dealt with. Neumann (1906) has designated as type of *Ricinus* Degeer the first species described by the latter, *R. fringillae*, which is the *Physostomum irascens* of Nitzsch, and has shown that *Physostomum* must give place to *Ricinus*. He admits that *Nirmus* Hermann is a synonym of *Ricinus* Degeer, points out that *Nirmus* Nitzsch is invalid, and proposes a new name *Degeeriella*. With this procedure I am entirely in agreement. But Enderlein maintains that *Nirmus* Nitzsch is equivalent to *Nirmus* Hermann, a position wholly untenable, and bolsters up his case with a travesty of fact which surpasses any I have met before, even in the systematics of Mallophaga. He states that the third species, *Ricinus cornicis*, of Degeer is identical with *Pediculus corvi-coracis* L. (it will be noted that he does not distinguish the name of the species, which is *corvi*, from that of the host) and *Nirmus varius* Nitzsch, in Giebel, and that for this reason the Linnaean name must stand as the type of *Ricinus*, with the other two as synonyms. But *P. corvi* L. is founded on Redi's figure of *Pulex corvi*, which Nitzsch himself includes as a synonym of his *Docophorus atratus*; and *R. cornicis* Degeer is, upon his own quite recognisable figure, and upon the admission of Giebel, the same as *Menopon mesoleucum* Nitzsch. Consequently Enderlein arrives at the portentous conclusion that the

Nitzschian species *Docophorus atratus*, *Nirmus varius*, and *Menopon mesoleucum* are identical. It need hardly be said that any conclusion based upon such a premiss does not demand serious consideration. Moreover, among the species included by Degeer in *Ricinus*, there is not a single species of what is now *Degeeriella*.

Order **ANOPLURA** Leach.

(Sub-order i. *Siphunculata* Meinert.)

Sub-order ii. **MALLOPHAGA** Nitzsch.

Super-family i. **AMBLYCERA** Kellogg.

Family i. **Boopidae** Mjöberg.

Sub-family a. **Boopinae** Harrison and Johnston.

- Genus 1. *Boopia* Piaget.
2. *Heterodoxus* Le Souëf and Bullen.
3. *Paraheterodoxus* Harrison and Johnston.

Sub-family b. **Latumcephalinae** Harrison and Johnston.

- Genus 4. *Latumcephalum* Le Souëf.

Family ii. **Trimenoponidae** Harrison.

- Genus 5. *Trimenopon* Cummings.
6. *Philandesia* Kellogg and Nakayama.

Family iii. **Gyropidae** Burmeister.

- Genus 7. *Gyropus* Nitzsch.
8. *Gliricola* Mjöberg.

Family iv. **Menoponidae** Mjöberg.

Sub-family c. **Menoponinae** Harrison.

- Genus 9. *Menopon* Nitzsch.
10. *Colpocephalum* Nitzsch.
11. *Eomenopon* Harrison.
12. *Myrsidea* Waterston.
13. *Somaphantus* Paine.
14. *Machaerilaemus* Harrison.
15. *Tetrophthalmus* Grosse.
16. *Dennyus* Neumann.
17. *Trinoton* Nitzsch.
18. *Eureum* Nitzsch.
19. *Pseudomenopon* Mjöberg.

Sub-family *d.* **Ancistrinae** Harrison.

Genus 20. *Ancistrona* Westwood.

Family *v.* **Laemobothriidae** Mjöberg.

Genus 21. *Laemobothrion* Nitzsch.

Family *vi.* **Ricinidae** Neumann.

Genus 22. *Ricinus* Degeer.

23. *Trochiloecetes* Paine and Mann.

Super-family *ii.* **ISCHNOCERA** Kellogg.

Family *vii.* **Trichodectidae** Burmeister.

Genus 24. *Trichodectes* Nitzsch.

25. *Damalinia* Mjöberg.

26. *Eutrichophilus* Mjöberg.

27. *Eurytrichodectes* Stobbe.

28. *Trichophilopterus* Stobbe.

Family *viii.* **Nesiotinidae** Harrison.

Genus 29. *Nesiotinus* Kellogg.

Family *ix.* **Philopteridae** Burmeister.

Sub-family *e.* **Goniodinae** [Mjöberg].

Genus 30. *Goniodes* Nitzsch.

31. *Goniocotes* Burmeister.

32. *Lipeurus* Nitzsch.

33. *Austrogoniodes* Harrison.

34. *Physconella* Paine.

35. *Kelloggia* Carriker.

36. *Ornicholax* Carriker.

Sub-family *f.* **Philopterinae** Harrison.

Genus 37. *Philopterus* Nitzsch.

38. *Degeeriella* Neumann.

39. *Psittaconirmus* Harrison.

40. *Rallicola* Johnston and Harrison.

41. *Parricola* Harrison.

42. *Aptericola* Harrison.

43. *Paroncophorus* Harrison.

44. *Strigiphilus* Mjöberg.

45. *Paragoniocotes* Cummings.

Sub-family *g.* **Acidoproctinae** Harrison.

- Genus 46. *Acidoproctus* Piaget.
 47. *Ornithobius* Denny.
 48. *Bothriometopus* Taschenberg.
 49. *Heteroproctus* Harrison.

Sub-family *h.* **Esthiopterinae** Harrison.

- Genus 50. *Esthiopterum* Harrison.
 51. *Pectinopygus* Mjöberg.
 52. *Pelmatocerandra* Enderlein.
 53. *Philoceanus* Kellogg.

Sub-family *i.* **Giebeliinae** [Waterston].

- Genus 54. *Giebelia* Kellogg.
 55. *Trabeculus* Rudow.

Sub-family *j.* **Docophoroidinae** Harrison.

- Genus 56. *Docophoroides* Giglioli.

V.

LIST OF SPECIES AND SUBSPECIES, VALID AND INVALID,
OF MALLOPHAGA.

The numbers are in two series, heavy numerals indicating valid species, Italic numerals synonyms and other invalid names. The species names are in three types; heavy (Clarendon) for valid species; ordinary Roman for species now transferred to other genera; and Italic for synonyms and other invalid names. The synonyms of any species are indicated by numbers included in square brackets at the end of the reference.

Order **ANOPLURA** Leach.

Sub-order MALLOPHAGA Nitzsch.

Super-family *i.* **AMBLYCERA** Kellogg.Family *i.* **Boopidae** Mjöberg.Sub-family *a.* **Boopinae** Harrison and Johnston.Genus 1. **Boopia** Piaget.

1. **bettongia** Le Souëf, *Vict. Nat.*, xix, 1902, p. 50, f. 2.
 (*Bettongia rufescens*.)
2. **grandis** Piaget, *Pédiculines*, Suppl., 1885, p. 154, Pl. 16, f. 8.
 (*Macropus rufus*.)

3. *minuta* Le Souëf, *Vict. Nat.*, xix, 1902, p. 51, f. 3.
(*Macropus dorsalis*.)
4. *notafusca* Le Souëf, *Vict. Nat.*, xix, 1902, p. 50, f. 1.
(*Macropus ualabatus*.)
5. *peregrina* Mjöberg, *Ark. Zool.*, vi, 1910, p. 21, Pl. 4, f. 9.
(*Lutra pruneri*.)
6. *phanerocerata* Harr. & Johnst., *Parasitology*, viii, 1915, p. 348, f. 7.
(*Perameles nasuta*.)
7. *spinosa* Harrison and Johnston, *Parasitology*, viii, 1915, p. 350, f. 9.
(*Macropus ualabatus*.)
8. *tarsata* Piaget, *Pédiculines*, 1880, p. 599, Pl. 50, f. 1.
(*Phascolomys fossor*.)
9. *uncinata* Harrison and Johnston, *Parasitology*, viii, 1915, p. 349, f. 8.
(*Dasyurus maculatus*.)

Genus 2. **Heterodoxus** Le Souëf and Bullen.

1. *armiferus* Paine, *Ent. News*, 1912, p. 362, f. A.
(*Canis familiaris*) = *longitarsus* Piaget.
1. *brevispinosus* Harrison and Johnston, *Parasitology*, viii, 1915, p. 355, f. 12.
(*Phascologale flavipes*.)
2. *longitarsus* Piaget, *Pédiculines*, 1880, p. 504, Pl. 41, f. 7.
(*Macropus giganteus*) [1, 2, 3, 4].
2. *macropus* Le Souëf and Bullen, *Vict. Nat.*, xviii, 1902, p. 159, f. 11.
(*Macropus* spp.) = *longitarsus* Piaget.
3. *spiniger* Enderlein, *Jenais. Denks.*, xiv, 1909, p. 80.
(*Canis familiaris*) = *longitarsus* Piaget.
4. *spinigerum* [Enderlein] Neumann, *Arch. Parasit.*, 1912, p. 364, f. 12
(*Canis familiaris*) = *longitarsus* Piaget.

Genus 3. **Paraheterodoxus** Harrison and Johnston.

1. *insignis* Harrison and Johnston, *Parasitology*, viii, 1915, p. 357, f. 13, 14.
(*Aepyprymnus rufescens*.)

Sub-family *b*. **Latumcephalinae** Harrison and Johnston.

Genus 4. **Latumcephalum** Le Souëf.

1. *lesouëfi* Harr. & Johnst., *Parasitology*, viii, 1915, p. 343, f. 2, 3.
(*Macropus ualabatus*.)
2. *macropus* Le Souëf, *Vict. Nat.* xix, 1902, p. 51, f. 4.
(*Macropus dorsalis*.)

Genus 5. **Trimenopon** Cummings.

1. *echinoderma* Cummings *Bull. Ent. Res.*, 1913, p. 40, f. 4.
(*Cavia aperca*) = *jenningsi* Kellogg and Paine.
1. *jenningsi* Kellogg and Paine, *Ent. News*, 1910, p. 461, fig. 1
(*Cavia cobaya*) [1].

1. townsendi Kellogg and Nakayama, *Ent. News*, 1914, p. 199, fig. 1.
(*Ligidium peruanum*.)

Genus 7. **Gyropus** Nitzsch.

1. **alpinus** Kellogg and Nakayama, *Ent. News*, 1914, p. 196, Pl. 8.
(*Ligidium peruanum*.)
2. **amplexans** Neumann, *Bull. Soc. Zool. Fr.*, 1912, p. 224, f. 11.
(*Dasyprocta aguti*.)
1. **bicaudatus** Paine, see *Gliricola*.
3. **decurtatus** Neumann, *Bull. Soc. Zool. Fr.*, 1912, p. 216, f. 3.
(*Dactylomys amblyonyx*.)
4. **dicotylis** Macalister, *Proc. Zool. Soc. Lond.*, 1869, p. 420.
(*Dicotyles torquatus*.)
5. **forficulatus** Neumann, *Bull. Soc. Zool. Fr.*, 1912, p. 220, f. 6-8.
(*Ctenomys* sp.)
2. **gracilis** Nitzsch, see *Gliricola*.
6. **hispidus** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 443.
(*Bradypus tridactylus*.)
7. **lagotis** Gervais in Gay, *Hist. Chile*, 1849, p. 103.
(*Lagotis cuvieri*.)
8. **lineatus** Neumann, *Bull. Soc. Zool. Fr.*, 1912, p. 218, f. 4, 5.
(*Kerodon moco*.)
9. **longicollis** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 443.
(*Dasyprocta aguti*.)
10. **longus** Neumann, *Bull. Soc. Zool. Fr.*, 1912, p. 222, f. 9, 10.
(*Abrocoma bennettii*.)
11. **ovalis** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 443.
(*Cavia cobaya*.)
3. **perfoliatus** Neumann, see *Gliricola*.
4. **porcelli** Linné, see *Gliricola*.

12. **setosus** Neumann, *Arch. Parasit.*, xv, 1912, p. 372, f. 18.
(*Proechimys securus*.)
13. **turbinatus** Piaget, *Pédiculines*, 1880, p. 612, Pl. 50, f. 7.
(*Arctomys marmotta*.)

Genus 8. **Gliricola** Mjöberg.

1. **bicaudata** Paine, *Ent. News*, xxiii, 1912, p. 441, fig. 3.
(*Cavia cutleri*) = *porcelli* L.
2. **bifurcata** Olfers, *De Vegetativis etc.*, 1816, p. 83.
(*Cavia cobaya*) = *porcelli* L.
3. **gracilis** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 443.
(*Cavia cobaya*) = *porcelli* L.
1. **perfoliata** Neumann, *Bull. Soc. Zool. Fr.*, 1912, p. 216.
(*Kerodon moco*.) Sub-species of *porcelli* L.
2. **porcelli** Linné, *Syst. Nat.*, 1758, p. 611.
(*Cavia cobaya*) [1, 2, 3, 4].
4. **saviae** Schrank, *Faun. Boic.*, 1803, p. 186.
(*Cavia cobaya*) = *porcelli* L.

Family iv. **Menoponidae** Mjöberg.

Sub-family c. **Menoponinae** Harrison.

Genus 9. **Menopon** Nitzsch.

1. **abdominale** Piaget, *Pédiculines*, 1880, p. 473, Pl. 36, f. 9.
(*Perdix (Coturnix) coturnix*.)
2. **abnorme** Piaget, *Pédiculines*, 1880, p. 481, Pl. 38, f. 8.
(*Gallinula haematopus (frontata)*.)
3. **acuticeps** Piaget, *Pédiculines*, 1880, p. 422, Pl. 33, f. 7.
(*Sittace (Ara) ararauna*.)
4. **acutovulvatum** Piaget, *Tijd. v. Ent.*, xxiv, 1881, p. 5, Pl. 1, f. 4.
(*Buceros (Anthracoceros) malabaricus*.)
5. **aegialitidis** Durrant, *Ohio Nat.*, vi, 1906, p. 529, f. 1 c.
(*Aegialitis vocifera*.)
6. **affine** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 248, Pl. 10, f. 3.
(*Diomedea exulans*.)
7. **africanum** Kellogg and Paine, *Bull. Ent. Res.*, 1911, p. 149, Pl. 5, f. 3.
(*Plectropterus gambensis*.)
8. **agile** Nitzsch, *Zeit. f. ges. Nat.*, 1866, p. 120.
(*Sylvia (Phoenicurus) titys*.)
9. **alaskense** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 27, Pl. 3, f. 5.
(*Cinclus mexicanus, Pinicola enucleator*.)

10. **alaudae** Schrank, *Beyträge*, 1776, p. 115, f. 5, 6.
(*Alauda arvensis*) [92].
11. **albemarlei** Kell. & Kuw., *Proc. Wash. Acad. Sci.*, iv, 1902, p. 488, Pl. 31,
f. 5. (*Camarhynchus* sp., *Geospiza* sp.)
12. **albescens** Piaget, *Pédiculines*, 1880, p. 491, Pl. 41, f. 4.
(*Sula serrator*.)
13. **albicans** Piaget, *Pédiculines*, 1880, p. 463, Pl. 38, f. 3.
(*Euplocamus* (*Gennaeus*) *horsfieldi*.)
1. **albiceps** Piaget, see *Myrsidea*.
14. **albidum** Giebel, *Ins. Epiz.*, 1874, p. 280.
(*Neophron percnopterus*.)
15. **albipes** Giebel, *Zeit. f. ges. Nat.*, xlvii, 1876, p. 250.
(*Lobivanellus albiceps*.)
2. **albipes** Piaget, see *Myrsidea*.
16. **albofasciatum** Piaget, *Pédiculines*, 1880, p. 496, Pl. 40, f. 6.
(*Anas* (*Tadorna*) *tadorna*.)
17. **alternatum** Osborn, *Ohio Nat.*, ii, 1902, p. 175, Pl. 11, f. 1.
(*Cathartes aura*.)
18. **ambiguum** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 295.
(*Numenius phaeopus*.)
3. **americanum** Kellogg, see *Myrsidea*.
4. **anaspilum** Nitzsch, *Zeit. f. ges. Nat.*, 1866, p. 119.
(*Corvus corax*) = *gonophaeum* Nitzsch.
5. **anathorax** Nitzsch, see *Myrsidea*.
19. **annulatum** Giebel, *Ins. Epiz.*, 1874, p. 285.
(*Passer domesticus*.)
6. **anseris** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309.
(*Anser cinereus*), *Nom. nud.*
20. **antennatum** Kellogg and Paine, *Bull. Ent. Res.*, 1911, p. 150, Pl. 5, f. 1.
(*Numida mitrata*.)
21. **appendiculatum** Piaget, *Pédiculines*, 1880, p. 473, Pl. 36, f. 8.
(*Perdix cinerea*. ? straggler from a hornbill.)
22. **arctifasciatum** Piaget, *Pédiculines*, Suppl., 1885, p. 112, Pl. 12, f. 4.
(*Rhynchotus rufescens*.)
7. **argentinum** Kellogg, see *Myrsidea*.
23. **atrofulvum** Piaget, *Pédiculines*, 1880, p. 483, Pl. 39, f. 2.
(*Platalea leucorodia*.)
24. **aurifasciatum** Kellogg, *New Mallophaga*, iii, 1899, p. 43, Pl. 4, f. 5.
(*Fregata aquila*.)
- 24 a. **balfouri** Waterston, *Ent. Month. Mag.*, 1915, p. 15, f. 1, 2 a.
(*Rhamphastos* sp. ? *tocard*.)

25. **becki** Kellogg, *Trans. Amer. Ent. Soc.*, xxxii, 1907, p. 322.
(*Phaethon aethereus*.)
26. **biaculeatum** Picaglia, *Atti Soc. Ital. Sc. Nat.*, xxviii, 1885, p. 5.
(*Estrilda* sp.)
27. **bifurcatum** Piaget, *Pédiculines*, 1880, p. 423, Pl. 35, f. 10.
(*Psittacus erithacus*.)
8. **biseriatum** Piaget, *Pédiculines*, 1880, p. 469, Pl. 37, f. 2.
(various *Galli*) = *stramineum* Nitzsch.
28. **brachygaster** Giebel, *Ins. Epiz.*, 1874, p. 293.
(*Crypturus tao*.)
9. **breviceps** Giebel, *Ins. Epiz.*, 1874, p. 279.
(*Sarcorhamphus papa*) = *cathartaepapae* N.
29. **brevicolle** Piaget, *Pédiculines*, Suppl., 1885, p. 108, Pl. 11, f. 9.
(*Thinocorus rumicivorus*.)
30. **brevifimbriatum** Piaget, *Pédiculines*, 1880, p. 499, Pl. 41, f. 1.
(*Fulmarus glacialis*.)
31. **brevipalpe** Piaget, *Pédiculines*, 1880, p. 498, Pl. 40, f. 5.
(*Phalacrocorax carbo*.)
32. **brevipes** Piaget, *Pédiculines*, Suppl., 1885, p. 110, Pl. 12, f. 1.
(*Crossoptilon manchuricum*.)
33. **brevithoracicum** Piaget, *Pédiculines*, 1880, p. 495, Pl. 41, f. 2.
(*Cygnus* spp.)
10. **breviventre** Piaget, see *Myrsidea*.
11. **brunneum** Nitzsch, see *Myrsidea*.
34. **bucerotis** Kellogg, *Schwed. Exp. Kilimandjaro*, p. 54, Pl. 7, f. 12.
(*Bycanistes cristatus*.)
12. **camelinum** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 288, Pl. 15, f. 3.
(*Nucifraga caryocatactes*) = *coarctatum* Scopoli.
35. **carduelis** Denny, *Anoplur. Brit.*, 1842, p. 228, Pl. 20, f. 7.
(*Fringilla carduelis*.)
13. **castaneum** Piaget, see *Myrsidea*.
36. **cathartaepapae** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, 1861, p. 518.
(*Sarcorhamphus papa*) [9].
37. **caudatum** Giebel, *Zeit. f. ges. Nat.*, xlvii, 1876, p. 529.
(*Galbula ruficauda*.)
14. **chavariae** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 391.
(*Palamedea (Chauna) chavaria*), *Nom. nud.*
15. **cimicoides** Nitzsch, see *Eureum*.
16. **cinereum** Piaget, see *Pseudomenopon*.
38. **cingulatum** Piaget, *Pédiculines*, Suppl., 1885, p. 91, Pl. 9, f. 9.
(*Polyborus vulgaris (plancus)*.)

39. **circinatum** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 249, Pl. 10, f. 4.
(*Stercorarius pomarinus*.)
40. **citrinellae** Denny, *Anoplur. Brit.*, 1842, p. 220, Pl. 21, f. 3.
(*Emberiza citrinella*, *Motacilla alba*) [108].
17. **citrinum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 303.
(*Sturnus vulgaris*), *Nom. nud.*
41. **coarctatum** Scopoli, *Ent. Carn.*, 1763, p. 382.
(*Lanius collurio*) [12, 18, 38].
42. **colaptis** Durrant, *Ohio Nat.*, viii, 1908, p. 355, f. 1 h.
(*Colaptes auratus*.)
18. **collurionis** Schrank, *Faun. Boic.*, 1803, p. 187.
(*Lanius collurio*) = *coarctatum* Scopoli.
43. **commisum** Neumann, *Bull. Soc. Toulouse*, xxiv, 1890, p. 66.
(*Microglossus alecto* (*aterrimus*)).
19. **concretum** Piaget, see *Myrsidea*.
20. **consanguineum** Piaget, see *Tetrophthalmus*.
21. **consimile** Piaget, see *Myrsidea*.
44. **coracopsis** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 30.
(*Coracopsis obscura* (*vasa*)).
22. **cornicis** Degeer, see *Myrsidea*.
45. **cornutum** Schömmer, *Mallophagen*, 1913, p. 64.
(*Gallus domesticus* (*gallus*)).
46. **corporosum** Kell. & Kuw., *P. Acad. Nat. Sc. Phil.*, 1900, p. 158, Pl. 7,
f. 5. (*Crymophilus fulicarius*.)
23. **costaricense** Carriker, see *Pseudomenopon*.
47. **cracis** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 391.
(*Crax carunculata*, *C. rubirostris*) [64].
48. **crassiceps** Piaget, *Pédiculines*, Suppl., 1885, p. 92, Pl. 10, f. 1.
(*Pulsatrix torquata* (*perspicillata*)).
24. **crassipes** Piaget, see *Myrsidea*.
49. **crocatum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 392.
(*Numenius arquata*, etc.)
50. **cryptostigmation** Nitzsch in Gb., *Zeit. f. ges. Nat.*, xviii, 1861, p. 529.
(*Strix passerina* = *Athene noctua*.)
25. **cuculi** Fabricius, *Syst. Ent.*, 1775, p. 807.
(*Cuculus canorus*) = *fasciatus* Scop.
26. **cucullare** Nitzsch, see *Myrsidea*.
27. **cucullare** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 391, nec Nitzsch
1838. (*Coracias garrula*) = *virgo* Gb.
51. **cursorius** Giebel, *Ins. Epiz.*, 1874, p. 296.
(*Cursorius isabellinus* (*gallicus*)).

52. **curuccae** Schrank, *Beyträge*, 1776, p. 113.
(*Motacilla (Sylvia) curucca*) [78, 118].
28. **cygni** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309.
(*Cygnus olor.*) *Nom. nud.*
29. **cyrtostigmum** Kellogg and Chapman, see *Myrsidea*.
53. **decoratum** Kellogg, *New Mallophaga* ii, 1896, p. 526, Pl. 72, f. 2.
(*Elanus leucurus.*)
54. **delicatum** Piaget, *Pédiculines*, 1880, p. 448, Pl. 42, f. 7.
(*Pycnonotus (Trachycomus) ochrocephalus.*)
55. **difficile** Carriker, *Univ. Studies*, iii, 1903, p. 188, Pl. 8, f. 1.
(*Buarremon brunneinuchus.*)
30. **diomedae** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309.
Nom. nud.
31. **dissimile** Kellogg, see *Myrsidea*.
56. **distinctum** Kell. & Chap., *New Mallophaga* iii, 1899, p. 126, Pl. 8, f. 7.
(*Myiarchus cinerascens.*)
57. **dubium** Piaget, *Pédiculines*, 1880, p. 452, Pl. 36, f. 6.
(*Edollus longus=Buchanga atra.*)
58. **elongatum** Piaget, *Pédiculines*, Suppl., 1885, p. 93, Pl. 10, f. 2.
(*Pulsatrix torquata.*)
59. **eulasium** Kellogg, *Schwed. Exp. Kilimandjaro*, 1910, p. 54, Pl. 7,
f. 11. (*Phalacrocorax africanus.*)
60. **eurum** Piaget, *Pédiculines*, 1880, p. 502, Pl. 40, f. 3.
(*Carbo (Phalacrocorax) javanicus.*)
61. **eurygaster** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 393.
(*Hallieus brasiliensis=Phalacrocorax vigua.*)
62. **eumystrum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 439.
(*Pica* spp.)
63. **exile** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 121.
(*Sylvia (Saxicola) oenanthe.*)
64. **expansum** Osborn, *Bull. 5, Div. Ent.*, 1896, p. 245, Pl. 2, f. j.
(*Dolichonyx oryzivorus.*)
- 31a. **excanguis** Paine and Mann, see *Myrsidea*.
65. **extraneum** Piaget, *Pédiculines*, 1880, p. 506, Pl. 42, f. 2.
(*Cavia cobaya*, straggler.)
66. ***fasciaferum** *nom. nov.* for *fasciatum* Rudow, 1869, *nec* Scopoli, 1763.
(*Gypagus (Sarcorhamphus) papa*) [32].
67. **fasciatum** Scopoli, *Ent. Carn.*, 1763, p. 383.
(*Cuculus canorus*) [25, 97, 98].
32. **fasciatum** Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 403, *nec* Scopoli,
1763 = *fasciaferum* Harrison.

68. **femorale** Piaget, *Pédiculines*, 1880, p. 484, Pl. 39, f. 8.
(*Platalea leucorodia*. A gallinaceous straggler.)
69. **fertile** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 121.
(*Upupa epops*.)
33. **flavescens** Piaget, see *Myrsidea*.
34. **flavidum** Piaget, see *Myrsidea*.
35. **forcipatum** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 289, Pl. 15, f. 7, 8.
No description. Types lost. Discard.
(*Buceros rhinocerus*.)
36. **fringillae-montanae** Giebel, *Ins. Epiz.*, 1874, p. 285. *Nom. nud.*
70. **fulvofasciatum** Piaget, *Pédiculines*, 1880, p. 417, Pl. 33, f. 3.
(*Buteo vulgaris*, etc.)
71. **fulvomaculatum** Denny, *Anoplur. Brit.*, 1842, p. 218, Pl. 21, f. 6.
(*Perdix (Coturnix) coturnix*, *Phasianus colchicus*) [66, 102].
37. **funereum** Kellogg and Chapman, see *Myrsidea*.
38. **fuscocinctum** Denny, *Anoplur. Brit.*, 1842, p. 219, Pl. 21, f. 4.
(*Lanius collurio*) = *coarctatum* Scop.
72. **fuscofasciatum** Piaget, *Pédiculines*, 1880, p. 492, Pl. 40, f. 9.
(*Lestris*, *Sterna*, etc.)
73. **fuscomarginatum** Osborn, *Bull. 5, Div. of Ent.*, 1896, p. 245.
(*Turdus minor*=*Hylocichla fuscescens*.)
74. **fuscum** Carriker, *Univ. Neb. Stud.*, 1903, p. 187.
(*Rhamphocœlus passerinii*.)
75. **galapagense** Kell. & Kuw., *P. Wash. Acad. Sc.*, iv, 1902, p. 487, Pl. 31, f. 4. (*Geospiza conirostris*, *Nesomimus* sp.)
76. **gallinae** Linné, *Syst. Nat.*, 1758, p. 613.
(*Gallus domesticus*, (*gallus*).) [87, 129.]
77. **germanum** Piaget, *Pédiculines*, 1880, p. 450, Pl. 36, f. 1.
(*Pogonorrhynchus rolleti*.)
78. **giganteum** Denny, *Anoplur. Brit.*, 1842, p. 225, Pl. 21, f. 2.
(*Columba oenas* et al.) [60].
39. **giganteum** Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 403, *nec* Denny, 1842 = *pustulosum* Nitzsch.
40. **gonophaeum** Nitzsch, see *Myrsidea*.
79. **gracile** Piaget, *Pédiculines*, 1880, p. 482, Pl. 40, f. 1.
(*Porphyrio smaragdinus*.)
41. **grandiceps** Piaget, see *Myrsidea*.
80. **griseum** Piaget, *Pédiculines*, Suppl., 1885, Pl. 11, f. 3.
(*Paradisea papuana*.)
42. **gruis** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
81. **gryphus** Giebel, *Ins. Epiz.*, 1874, p. 279.
(*Sarcorhamphus (Vultur) gryphus*.)

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82. **hamatum** Neumann, *Arch. Parasit.*, xv, 1912, p. 365, f. 13.
(Host unknown.)
83. **hawaiiense** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 165, Pl. 15,
f. 2. (*Chlorodrepanis virens*.)
43. **heterocephalum** Nitzsch, see *Colpocephalum*.
84. **hilense** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 166, Pl. 15,
f. 4. (*Vestitaria coccinea*.)
85. **hirsutum** Carriker and Shull, *Ent. News*, xxi, 1910, p. 55, Pl. 5, f. 3.
(*Dryobates pubescens*.)
44. **hirundinis** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 305. *Nom. nud.*
86. **icterum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 440.
(*Scolopax rusticola*.) *M. icterum* Denny,
Anoplur. Brit., 1842, p. 228, Pl. 20, f. 8, is a
different species, *fide* Piaget, 1880, p. 479.
45. **imbricatum** Neumann, see *Myrsidea*.
87. **impar** Piaget, *Pédiculines*, Suppl., 1885, p. 94, Pl. 10, f. 4.
(*Psittacus timneh*.)
46. **impar** Kellogg, see *Tetrophthalmus*.
88. **inaequale** Piaget, *Pédiculines*, 1880, p. 443, Pl. 35, f. 1.
(*Lanius* spp.)
47. **incertum** Kellogg, see *Myrsidea*.
89. **incisum** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 391.
(No host. ? *Coracias garrula* L. H.)
48. **incompositum** Kellogg and Chapman, see *Tetrophthalmus*.
90. **indistinctum** Kellogg, *New Mallophaga* i, 1896, p. 157, Pl. 14, f. 6, 7.
(*Recurvirostra americana*.)
49. **indivisum** Nitzsch, see *Myrsidea*.
91. **infrequens** Kellogg, *New Mallophaga* i, 1896, p. 161, Pl. 15, f. 5.
(*Larus* spp.)
92. **infumatum** Piaget, *Pédiculines*, Suppl., 1885, p. 106, Pl. 11, f. 7.
(*Dacelo gigas*. Locality given as Madagascar.
Either host or locality is in error, as *D. gigas*
is confined to Australia. L. H.)
50. **insolens** Kellogg, see *Pseudomenopon*.
51. **insolitum** Kellogg and Paine, see *Myrsidea*.
93. **insulsum** Piaget, *Pédiculines*, 1880, p. 451, Pl. 35, f. 5.
(*Psitta* sp. ? = *Pitta*.)
52. **integrum** Piaget, see *Myrsidea*.
53. **intermedium** Piaget, see *Myrsidea*.
54. **intermedium** Piaget, *Pédiculines*, 1880, p. 497, Pl. 40, f. 4 (*nec*
p. 430). (*Fregata minor*) = *intermissum* Harrison.

94. **intermissum* *nom. nov.* for *intermedium* Piaget, 1880, p. 497, *nec* p. 430. (*Fregata minor*) [54].
95. *interpolatum* Piaget, *Pédiculines*, 1880, p. 493, Pl. 42, f. 1.
(Host unknown. ? A gull. L. H.)
55. *interruptum* Osborn, see *Myrsidea*.
56. *invadens* Kellogg and Chapman, see *Myrsidea*.
96. *irrupens* Kellogg and Chapman, *New Mallophaga* iii, 1899, p. 117, Pl. 8, f. 1. (*Diomedea albatrus*.)
57. *isostomum* Nitzsch, see *Myrsidea*.
58. *jenningsi* Kellogg and Paine, see *Trimenopon*.
97. *kea* Kellogg, *Psyche*, 1906, p. 122. Sub-sp. *fulvofasciatum* P.
(*Nestor notabilis*.)
98. *kuwani* Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 26, Pl. 3, f. 4. (*Phalacrocorax penicillatus*.)
99. *lagopi* Grube, *Sibirischer Reise*, 1851, p. 491, Pl. 31, f. 7.
(*Lagopus alpinus*.)
- 58a. *lamprotornis* Gurlt, *Arch.f. Naturgesch.*, xxiii, 1857, p. 309 *Nom. nud.*
59. *laticorpus* Carriker, see *Machaerilaemus*.
100. *latifasciatum* Piaget, *Pédiculines*, 1880, p. 467, Pl. 38, f. 4.
(*Tetrao urogallus*.)
101. *lativulvatum* Piaget, *Pédiculines*, 1880, p. 465, Pl. 37, f. 6.
(*Megapodius rubripes*=*Megacephalon maleo*.)
60. *latum* Piaget, *Pédiculines*, 1880, p. 457, Pl. 37, f. 1.
(*Columba* spp.) = *M. giganteum* Denny.
102. *lemniscatum* Enderlein, *Deutsche Süd-polar Exp. Zool.* ii, 1909, p. 456. (*Larus dominicanus*.)
103. *leucoxanthum* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 440.
(*Anas* (*Nettion*) *crecca*) [63].
61. *linearis* Kellogg, see *Tetraphthalmus*.
104. *longicephalum* Kellogg, *New Mallophaga* ii, 1896, p. 535, Pl. 13, f. 4.
(*Columba livia*. Gallinaceous straggler. L. H.)
105. *longipalpe* Piaget, *Pédiculines*, 1880, p. 461, Pl. 38, f. 2.
(*Euplocamus melanotus*=*Gennaeus melanonotus*.)
106. *longipes* Giebel, *Ins. Epiz.*, 1874, p. 280.
(*Strix bubo*=*Bubo ignavus*.)
(*S. brachyotus*) [73]=*Asio accipitrinus*.)
62. *longitarsus* Piaget, see *Heterodoxus*.
107. *longithoracicum* Piaget, *Pédiculines*, 1880, p. 500, Pl. 41, f. 5.
(*Priofinus cinereus*.)
108. *longum* Giebel, *Ins. Epiz.*, 1874, p. 297.
(*Grus communis*=*Grus grus*.)
(*G. pavonina*=*Balearica pavonina*.)

109. *loomisii* Kellogg, *New Mallophaga* i, 1896, p. 162, Pl. 45, f. 6.
(*Oidemias deglandi*.)
110. *lucidum* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 402.
(*Falco rufipes*.)
63. *lunarium* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 402.
(*Anas (Oidemias) nigra*) = *M. leucoxanthum* Nitzsch.
111. *lutescens* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 440.
(Many *Charadriiformes*) [81].
112. *macrocybe* Carriker, *Univ. Studies*, iii, 1903, p. 181, Pl. 7, f. 2.
(*Buteo platypterus*.)
64. *macropus* Giebel, *Ins. Epiz.*, 1874, p. 294 = *M. cracis* Giebel.
(*Crax* spp.)
113. *maculipes* Giebel, *Ins. Epiz.*, 1874, p. 298.
(*Tantalus oculator*) [125].
114. *madagascariense* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 34.
(*Scopus umbretta*.)
115. *maestum* Kell. & Chap., *New Mallophaga* iii, 1899, p. 130, Pl. 9, f. 2.
(*Zonotrichia coronata*, *Melospiza fasciata*.)
65. *majus* Piaget, see *Myrsidea*.
66. *majus* Piaget, *Pédiculines*, 1880, p. 462 (nec p. 441).
(*Lophophorus resplendens*.)
67. *majus* Piaget, *Pédiculines*, 1880, p. 471 (nec p. 441).
(*Perdix rubra* = *Caccabis rufa*.)
68. *majus* Piaget, *Pédiculines*, 1880, p. 480, see *Pseudomenopon*.
69. *majus* Carriker, *Univ. Nebr. Stud.* iii, 1903, p. 187.
(*Merula grayi*, *Tanagra (Thraupis) cana*.)
70. *malleus* Nitzsch, see *Eureum*.
116. *mammillatum* Piaget, *Pédiculines*, Suppl., 1885, p. 114, Pl. 12, f. 5.
(*Theristicus caudatus*.)
71. *melanorum* Kellogg, see *Myrsidea*.
72. *meleagridis* Panzer, *Faun. Ins. Germ.*, 1793, p. 51, f. 20 (nec *Ped. meleagridis* Linn. 1758, p. 613) = *M. stramineum* Nitzsch.
117. *menadense* Piaget, *Pédiculines*, 1880, p. 458, Pl. 42, f. 8.
(*Columba (Turacoena) menadensis*.)
118. *meniscus* Piaget, *Pédiculines*, 1880, p. 447, Pl. 36, f. 7.
(*Emberiza (Calcarius) lapponica*.)
119. *menura* Le Souëf and Bullen, *Vict. Nat.*, xviii, 1902, p. 158, f. 9.
(*Menura superba*.)
120. *meridionale* Carriker, *Univ. Neb. Stud.*, iii, 1903, p. 182.
(*Melanerpes aurifrons*, *Odontophorus leucolaemus*.)
73. *merum* Piaget, see *Myrsidea*.
74. *mesoleucum* Nitzsch, see *Myrsidea*.

121. **meyeri** Giebel, *Ins. Epiz.*, 1874, p. 296.
(*Limosa rufa (lapponica)*.)
122. **micrandum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 392.
(*Recurvirostra avocetta*.)
123. **minus** Piaget, *Pédiculines*, 1880, p. 418.
(*Accipiter nisus*.)
75. **minus** Piaget, *Pédiculines*, 1880, p. 420.
(*Strix (Athene) noctua*.)
76. **minus** Piaget, *Pédiculines*, Suppl., 1885, p. 101.
(*Lamprocolius auratus*.)
77. **minuscolum** Piaget, see *Myrsidea*.
78. **minutum** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 286, Pl. 15, f. 2.
(*Parus major*) = *M. curuccae* Schrank.
124. **monochromatium** Kellogg and Paine, *Rec. Ind. Mus.*, x, 1914, p. 240. (*Garrulus lanceolatus*.)
125. **monostoechum** Kellogg, *New Mallophaga*, ii, 1896, p. 530, Pl. 72, f. 4.
(*Phasianus nycthemerus*.)
126. **narboroughi** Kellogg and Kuwana, *Proc. Wash. Acad. Sc.*, iv, 1902, p. 485, Pl. 31, f. 2. (Several sea-birds, Galapagos.)
127. **navigans** Kellogg, *New Mallophaga*, i, 1896, p. 156, Pl. 14, f. 4, 5.
(*Diomedea albatrus*.)
79. **neutrale** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 307.
(*Phasianus colchicus*), *Nom. nud.* (? error for *ventrale*. L. H.)
128. **nigropleurum** Denny, *Anoplur. Brit.*, 1842 p. 224, Pl. 20, f. 1.
(Several *Charadriiformes*.)
80. **nigrum** Kellogg and Paine, see *Myrsidea*.
81. **numenii** Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 469.
(*Numenius lineatus*) = *M. lutescens* Nitzsch.
129. **numerosum** Kellogg, *New Mallophaga*, i, 1896, p. 159, Pl. 15, f. 1.
(*Fulmarus glacialis*, *Puffinus subalaris*.)
130. **numidae** Giebel, *Ins. Epiz.*, 1874, p. 292.
(*Numida meleagris*.)
82. **obovatum** Piaget, see *Myrsidea*.
131. **obscurum** Piaget, *Pédiculines*, 1880, p. 497, Pl. 40, f. 8.
(*Anas (Tadorna) radjah*.)
83. **obtusum** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 392.
(*Larus (Rissa) tridactylus*) = *M. ridibundum* Denny.
- 83a. **orientale** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 392.
(*Glareola orientalis*). *Nom. nud.*
132. **ortalidis** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 179, Pl. 7, f. 1.
(*Ortalis cinereiceps*.)

- ¹133. **ovatum** Piaget, *Pédiculines*, 1880, p. 430, Pl. 34, f. 6.
(*Corvus scapulatus*.)
84. *ovatum* Piaget, see *Myrsidea*.
85. *pacificum* Kellogg, see *Pseudomenopon*.
134. **pachypus** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 161, Pl. 4, f. 4.
(*Sterna hirundo*.)
86. *pallescens* Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 293.
(*Perdix cinerea (perdix)*) = *M. perdicis* Denny.
135. **pallidulum** Neumann, *Arch. Parasit.*, xv, 1912, p. 361, f. 7, 8.
(*Gallus domesticus (gallus)*.)
87. *pallidum* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 440.
(*Gallus domesticus*) = *M. gallinae* Linn.
88. *pallidum* Piaget, *Pédiculines*, 1880, p. 471 (*nec* Nitzsch, 1838).
(*Caccabis saxatilis*.)
89. *pallidum* Piaget, *Pédiculines*, Suppl., 1885, p. 102, see *Myrsidea*.
136. **pallipes** Piaget, *Pédiculines*, Suppl., 1885, p. 111, Pl. 12, f. 2.
(*Excalfactoria australis*.)
137. **palloris** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 189, Pl. 8, f. 3.
(*Stelgidopteryx ruficollis*.)
90. *par* Kellogg, see *Pseudomenopon*.
91. *parumpilosum* Piaget, see *Myrsidea*.
92. *parviceps* Piaget, *Pédiculines*, 1880, p. 446, Pl. 36, f. 3.
(*Alauda arvensis*) = *M. alaudae* Schrank.
138. **parvulum** Piaget, *Pédiculines*, 1880, p. 444, Pl. 35, f. 4.
(*Cypselus apus*.)
139. **paululum** Kellogg and Chapman, *New Mallophaga*, iii, 1899, p. 119,
Pl. 8, f. 2. (*Puffinus* spp.)
93. *pectinatum* Neumann, see *Colpocephalum*.
94. *pectiniferum* Piaget, see *Colpocephalum*.
140. **pellucidum** Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 400.
(*Phalacrocorax capensis*.)
95. *perale* Leidy, see *Tetraphthalmus*.
141. **perdicis** Denny, *Anoplur. Brit.*, 1842, p. 225, Pl. 21, f. 9.
(*Perdix cinerea (perdix)*) [67, 86, 88].
142. **perforatum** Piaget, *Pédiculines*, 1880, p. 453, Pl. 42, f. 9.
(*Eremophila chrysolaema* = *Otocorys alpestris chrysolaema*, *Rhipidura* sp.)
143. **persignatum** Kell. & Chap., *New Mallophaga*, iii, 1899, p. 128, Pl. 9,
f. 1. (*Cyanocitta frontalis*.)
144. **petulans** Kell. & Chap., *New Mallophaga*, iii, 1899, p. 121, Pl. 8, f. 3.
(*Puffinus griseus*.)

¹ Cf. No. 40, p. 59.

96. *phaeopus* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 392.
(*Larus* spp.) = *M. ridibundus* Denny.
145. *phaeostomum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866,
p. 391. (*Pavo* spp.)
97. *phanerostigma* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866,
p. 391. (*Cuculus canorus*) = *M. fasciatum* Scopoli.
98. *phanerostigmaton* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309, for
M. phanerostigma Nitzsch = *M. fasciatum* Scopoli.
99. *picae* Denny, see *Myrsidea*.
146. *pici* Denny, *Anoplur. Brit.*, 1842, p. 219, Pl. 20, f. 5.
(*Picus (Gecinus) viridis*.)
147. *picicola* Packard, *Ann. Rept. U.S. Geol. Surv.*, 1872, p. 731, f. 58.
(*Picoides* spp.)
148. *pileatum* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 401.
(*Cassicus yuaracares* = *Gymnostinops yuracarium*.)
100. *pilosum* Piaget, see *Myrsidea*.
149. *planiceps* Piaget, *Pédiculines*, Suppl., 1885, p. 115, Pl. 12, f. 6.
(*Ardea (Tigrornis) leucolopha*.)
101. *platygaster* Giebel, see *Myrsidea*.
150. *popellus* Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 251, Pl. 10, f. 5.
(*Podica senegalensis*.)
151. *praecursor* Kellogg, *New Mallophaga*, iii, 1899, p. 46, Pl. 4, f. 8.
(*Melanerpes uropygialis*.)
102. *productum* Piaget, *Pédiculines*, 1880, p. 461, Pl. 37, f. 8.
(*Phasianus* spp.) = *M. fulvomaculatum* Denny.
103. *productum* Piaget, *Pédiculines*, Suppl., 1885, p. 109.
(*Euplocamus swinhoel*.)
104. *psittaci* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309.
Nom. nud.
105. *psittacus* Le Souëf and Bullen, *Vict. Nat.*, xviii, 1902, p. 158, f. 8.
(*Platycercus eximius*) nec *psittaci* Gurlt, 1857,
= *M. pteropsittacus* Harrison.
152. **pteropsittacus* nom. nov. for *M. psittacus* Le Souëf and Bullen, nec
M. psittaci Gurlt.
(*Platycercus eximius*) [105].
153. *ptilonorhynchi* Ponton, *Month. Micr. Journ.*, vi, 1871, p. 8, Pl. 91,
f. 1. (*Ptilonorhynchus holosericeus*.)
106. *pulicare* Nitzsch, see *Dennyus*.
107. *pullulum* Piaget, see *Myrsidea*.
108. *pusillum* Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 120.
(*Motacilla alba, Emberiza citrinella*) = *M. citrinellae* Denny.

154. **pustulosum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 393.
(*Sula* spp.) [39].
109. **pyrrhulae** Panzer, *Ins. Germ.*, 1793, nec Schrank, 1776.
110. **quadrifasciatum** Piaget, see *Myrsidea*.
155. **quinqueguttatum** Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 402.
(*Carpophaga samoensis*.)
111. **ragazzi** Picaglia, see *Tetraphthalmus*.
156. **ralli** Neumann, *Arch. Parasit.*, 1912, p. 366.
(*Rallus aquaticus*.)
112. **recurvirostrae** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309.
(*Recurvirostra avocetta*.) *Nom. nud.*
157. **ridibundum** Denny, *Anoplur. Brit.*, 1842, p. 227, Pl. 20, f. 3.
(*Larus* spp.) [83, 96, 127].
113. **ridulosum** Kellogg and Chapman, see *Myrsidea*.
114. **robsoni** Cummings, see *Myrsidea*.
158. **robustum** Kellogg, *New Mallophaga*, ii, 1896, p. 528, Pl. 72, f. 3.
(*Psaltiparus minimus*.)
115. **rusticum** Giebel, see *Myrsidea*.
116. **saturatum** Piaget, see *Myrsidea*.
159. **scalare** Piaget, *Pédiculines*, Suppl., 1885, p. 95, Pl. 10, f. 5.
(*Psittacus erithacus*.) Sub-species of *M. impar* Piaget.
160. **scitum** Piaget, *Pédiculines*, 1880, p. 442, Pl. 42, f. 6.
(*Copsychus mindanensis*.)
117. **scopulacorne** Denny, see *Pseudomenopon*.
161. **semilunare** Piaget, *Pédiculines*, 1880, p. 424, Pl. 33, f. 8.
(*Cucuius (Eudynamis) orientalis*.)
162. **setosum** Piaget, *Pédiculines*, Suppl., 1885, p. 103, Pl. 11, f. 4.
(*Coccothraustes vulgaris (coccothraustes)*.)
163. **sigmoidale** Picaglia, *Atti Soc. Ital. Sc. Nat.*, xxviii, 1885, p. 6.
(*Graculus (Phalacrocorax) lucidus*.)
164. **singulare** Kell. & Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 485,
Pl. 31, f. 1. (*Sula* spp.)
118. **sinuatum** Burmeister, *Handbuch*, ii, 1838, p. 440.
(*Parus major*) = *M. curuccae* Schrank.
165. **sittae** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 390.
(*Sitta europaea*.)
166. **snodgrassi** Kell. & Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 486,
Pl. 31, f. 3. (*Coccyzus melocoryphus*.)
167. **spiniferum** Piaget, *Pédiculines*, Suppl., 1885, p. 99, Pl. 10, f. 9.
(*Cyanocorax pileatus (chrysops)*, *Sturnus vulgaris*.)
119. **spiniger** Enderlein, see *Heterodoxus*.

120. *spinigerum* [Enderlein] Neumann, see *Heterodoxus*.
121. *spinimentum* Neumann, see *Eomenopon*.
168. *spinosum* Piaget, *Pédiculines*, 1880, p. 449, Pl. 36, f. 4, 5.
(*Cardinalis virginianus*.)
(*Carduelis cucullata*=*Spinus cucullatus*.)
169. *spinulosum* Giebel, *Ins. Epiz.*, 1874, p. 293.
(*Polyplectron tibetanum*.)
170. *stenodesmum* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 184, Pl. 8,
f. 2. (*Empidonax* (*Mitrephanes*) *atriceps*.)
171. *stramineum* Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 291.
(*Meleagris gallopavo*) [8, 72].
172. *strepsilae* Denny, *Anoplur. Brit.*, 1842, p. 226, Pl. 21, f. 8.
(*Strepsilas collaris*=*Arenaria interpres*.)
173. *striatum* Kellogg, *New Mallophaga*, iii, 1899, p. 44, Pl. 4, f. 6.
(*Lagopus lagopus*.)
122. *subaequale* Lyonet, *Mém. Mus.*, xviii, 1829, p. 266, Pl. 4, f. 5.
= *Menopon mesoleucum* Nitzsch, not *Colpocephalum subaequale* N., see *Myrsidea*.
123. *subaequale* Piaget, *Pédiculines*, 1880, p. 463, Pl. 37, f. 5.
(*Euplocamus* (*Gennaeus*) *ignitus*)=*M. substitutum* Harr.
174. *subrotundum* Piaget, *Pédiculines*, 1880, p. 453, Pl. 35, f. 2.
(*Phalacrocorax sulcirostris*.)
175. **substitutum* *nom. nov.* for *M. subaequale* Piaget, 1880, nec Lyonet,
1829. (*Euplocamus* (*Gennaeus*) *ignitus*) [103, 123].
176. *sulcatum* Piaget, *Pédiculines*, 1880, p. 485, Pl. 39, f. 7.
(*Ardea* (*Casmerodius*) *egretta*.)
177. *tadornae* Gervais, *Aptères*, iii, p. 323, Pl. 49, f. 6, called *Philopterus*
in error. (*Tadorna cornuta* (*tadorna*).)
124. *tantali* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
125. *tantali* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 391, nec Gurlt,
1857. (*Tantalus oculator*) = *M. maculipes* Giebel.
178. *tarsatum* Piaget, *Pédiculines*, 1880, p. 472, Pl. 42, f. 4.
(*Cryptonyx coronatus*=*Rollulus roulroul*.)
179. *temporale* Piaget, *Pédiculines*, 1880, p. 487, Pl. 39, f. 6.
(*Leptoptilus argala*.)
180. *thoracicum* Giebel, *Ins. Epiz.*, 1874, p. 287.
(*Turdus viscivorus* and other passerines) [67].
181. *tibiale* Piaget, *Pédiculines*, Suppl., 1885, p. 100, Pl. 11, f. 1.
(*Cyanopoliis cooki*) [74].
126. *titan* Piaget, see *Tetrophthalmus*.
182. *tityrum* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 182, Pl. 7, f. 4.
(*Tityra personata*.)

183. **translucidum** Piaget, *Pédiculines*, Suppl., 1885, p. 150, Pl. 16, f. 4.
(*Amblyrhamphus holosericeus*.)
127. **transversum** Denny, *Anoplur. Brit.*, 1842, p. 226, Pl. 21, f. 7.
(*Larus (Rissa) tridactylus*) = *M. ridibundum* Denny.
128. **tridens** Nitzsch, see *Pseudomenopon*.
129. **trigonocephalum** Olfers, *De Vegetativis*, 1816, p. 90.
(*Gallus domesticus (gallus)*) = *M. gallinae* Linn.
130. **trinoton** Piaget, see *Myrsidea*.
184. **triseriatum** Piaget, *Pédiculines*, 1880, p. 460, Pl. 37, f. 3.
(*Gallus bankiva*.)
131. **triste** Giebel, see *Colpocephalum*.
132. **trithorax** Piaget, see *Myrsidea*.
185. **troglydytis** Denny, *Anoplur. Brit.*, 1842, p. 221, Pl. 18, f. 7.
(*Troglodytes europaeus* = *Anorthura troglodytes*.)
186. **truncatum** Giebel, *Ins. Epiz.*, 1874, p. 288.
(*Muscicapa (Megarhynchus) pitangua*.)
187. **tumidum** Piaget, *Pédiculines*, Suppl., 1885, p. 151, Pl. 16, f. 5.
(*Plectropterus gambensis*.)
188. **unicolor** Piaget, *Pédiculines*, 1880, p. 471, Pl. 38, f. 5.
(*Perdix* spp.)
189. **uniseriatum** Piaget, *Pédiculines*, 1880, p. 464, Pl. 37, f. 4.
(*Phasianus praelatus* = *Lophura diardi*.)
190. **ventrale** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 391.
(*Argusianus giganteus (argus)*.)
191. **virgo** Giebel, *Ins. Epiz.*, 1874, p. 288.
(*Coracias garrula*) [27].
133. **vulturis** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom. nud.*
192. **zonatum** Piaget, *Pédiculines*, Suppl., 1885, p. 152, Pl. 16, f. 6.
(*Sarcorhamphus (Vultur) gryphus*.)

Genus 10. **Colpocephalum** Nitzsch.

1. **abbotti** Kellogg, *New Mallophaga*, iii, 1899, p. 36, Pl. 4, f. 9.
(*Larus* sp.)
2. **abdominale** Piaget, *Pédiculines*, 1880, p. 543, Pl. 45, f. 4.
(*Grus leucauchen*) [34] = *Pseudogeranus leuchauchen*.
3. **abruptofasciatum** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 36.
(*Milvus aegyptius*.)
4. **aculeatum** Piaget, *Pédiculines*, Suppl., 1885, p. 121, Pl. 13, f. 4.
(*Columba iriditorques*.)
5. **affine** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 276.
(*Totanus (Heteropygia) maculatus*, etc.)

6. **ailurum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 522.
(*Falco macei*=*Haliaetus leucoryphus*.)
7. **albidum** Giebel, *Ins. Epiz.*, 1874, p. 268.
(*Phaps chalcoptera*.)
8. **albonigrum** Giebel, *Ins. Epiz.*, 1874, p. 266.
(*Cassicus cristatus*=*Ostinops decumanus*.)
9. **angulaticeps** Piaget, *Pédiculines*, 1880, p. 569, Pl. 47, f. 8.
(*Fregata minor*.)
10. **appendiculatum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866,
p. 394. (*Argusianus giganteus (argus)*.)
11. **armiferum** Kellogg, *Zoologica*, 1910, p. 119, f. 38.
(*Opisthocomus cristatus (hoazin)*.)
12. **assimile** Piaget, *Pédiculines*, 1880, p. 544.
(*Grus americana*.)
1. **atrofasciatum** Piaget, *Pédiculines*, 1880, p. 542, Pl. 45, f. 3.
(*Grus communis (grus)*.)
(*Grus (Balearica) pavonina*) = *C. semiluctus*
Gervais.
13. **bicinctum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 524.
(*Circus aeruginosus*, *Cathartes (Catharista) foetens*.)
14. **bicolor** Piaget, *Pédiculines*, 1880, p. 561, Pl. 47, f. 1.
(*Strepsilas (Arenaria) interpres*.)
15. **biseriatum** Piaget, *Pédiculines*, 1880, p. 532.
(*Gracula (Eulabates) javanensis*.)
16. **brachycephalum** Giebel, *Ins. Epiz.*, 1874, p. 278.
(*Lestris pomarina*=*Stercorarius pomatorhinus*.)
17. **brachysomum** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 162,
Pl. 14, f. 3. (*Asio accipitrinus*.)
18. **breve** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 394.
(*Dicholophus cristatus*=*Cariama cristata*.)
2. **bubonis** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 393.
(*Bubo maximus*.) *Nom. nud.*
19. **burmeisteri** Kellogg, *Journ. N. Y. Ent. Soc.*, xiv, 1906, p. 48, Pl. 2,
f. 5. (*Ara chloroptera*.)
20. **castaneum** Piaget, *Pédiculines*, Suppl., 1885, p. 153, Pl. 16, f. 7.
(*Cygnus atratus*.)
21. **caudatum** Giebel, *Ins. Epiz.*, 1874, p. 261.
(*Vultur (Gyps) indicus*) [18].
22. **chrysophaeum** Kellogg, *New Mallophaga*, ii, 1896, p. 520, Pl. 71, f. 1.
(*Melospiza fasciata*.)
23. **ciliatum** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 256, Pl. 10, f. 9.
(*Tetraogallus (Gennaeus) cuvieri*.)

24. **cinctum** Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 472.
(*Priocella glacialisoides*.)
3. **coenops** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 318.
(*Halieus brasiliensis*=*Phalacrocorax vigua*.)
Nom. nud.
25. **commune** Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 474.
(*Halieus brasiliensis*, *Neomorphus cultridens*.)
4. **conspicuum** Kellogg and Chapman, see *Myrsidea*.
26. **cornutum** Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 470.
(*Grus* (*Balearica*) *pavonina*.)
5. **cornutum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 395.
(*Machetes pugnax*) = *C. umbrinum* Nitzsch.
27. **costaricense** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 172.
(*Buteo borealis costaricensis*.) Sub-species of
C. osborni Kellogg.
28. **crassiceps** Piaget, *Pédiculines*, Suppl., 1885, p. 120, Pl. 13, f. 3.
(*Psittacus timneh*.)
29. **crassipes** Piaget, *Pédiculines*, 1880, p. 566, Pl. 47, f. 6.
(*Sterna bergii*.)
30. **cucullare** Giebel, *Ins. Epiz.*, 1874, p. 264.
(*Gypogeranus* (*Serpentarius*) *serpentarius*) [19].
31. **decimfasciatum** Boisduval and Lacordaire, *Faun. Ent. Env. Paris*,
1835, p. 123. (*Ardea cinerea*) [12, 21].
32. **deperditum** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 265, Pl. 13, f. 9.
(*Corvus cornix*.) No description; figure is of
an immature individual. L. H.
6. **diffusum** Kellogg, see *Myrsidea*.
33. **discrepans** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 164, Pl. 15,
f. 1. (*Carpodacus mexicanus obscurus*.)
34. **dissimile** Piaget, *Pédiculines*, 1880, p. 520, Pl. 43, f. 4.
(*Milvus aegyptius*) [22].
35. **dolium** Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 393.
(*Podiceps cristatus*.)
36. **dominicanum** Kellogg and Mann, *Ent. News*, xxiii, 1912, p. 63.
(*Oceanodroma macrodactyla*.)
7. **dubium** Schilling in Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 307.
(*Falco* (*Circus*) *cyaneus*.) Nom. nud.
37. **ellipticum** Piaget, *Pédiculines*, 1880, p. 570, Pl. 48, f. 1.
(*Larus mangola*.)
38. **elongatum** Piaget, *Pédiculines*, 1880, p. 529, Pl. 44, f. 2.
(*Pyrhacorax alpinus*.)
39. **ephippiorhynchi** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 43.
(*Ephippiorhynchus senegalensis*.)

40. **epiphanes** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 161, Pl. 14,
f. 2. (*Anous stolidus*.)
41. **eucarenum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 439.
(*Pelecanus onocrotalus*.)
42. **eurygaster** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 162, Pl. 4, f. 5.
(*Leptoptilus argala*.)
8. **eurysternum** [Nitzsch] Denny, see *Menopon*.
9. **extraneum** Carriker, see *Myrsidea*.
43. **femoratum** Piaget, *Pédiculinés*, Suppl., 1885, p. 124, Pl. 13, f. 7.
(*Mycteria americana*=*Jabiru mycteria*.)
44. **flavescens** Nitzsch in Lyonet, *Mém. Mus.*, xviii, 1829, p. 262, Pl. 12,
f. 1. (Many *Accipitrines*.)
45. **flavipes** Giebel, *Ins. Epiz.*, 1874, p. 276.
(*Vanellus varius*.)
46. **flavum** Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 472.
(*Carduelis granadensis*.)
47. **fregili** Denny, *Anoplur. Brit.*, 1842, p. 208, Pl. 20, f. 4.
(*Fregilus graculus*.)
48. **fumidum** Kellogg, *New Mallophaga*, ii, 1896, p. 523, Pl. 71, f. 5.
(*Psaltiriparus minimus*.)
49. **funebre** Kellogg, *New Mallophaga*, i, 1896, p. 147, Pl. 12, f. 7.
(*Larus* spp.)
50. **furcatum** Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 472.
(*Aestrelata mollis*.)
51. **fuscipes** Piaget, *Pédiculinés*, 1880, p. 567, Pl. 47, f. 7.
(*Larus dominicanus*.)
52. **fusconigrum** Giebel, *Ins. Epiz.*, 1874, p. 274.
(*Ibis* spp.)
10. **gallinulae** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 307. *Nom. nud.*
53. **gracile** Piaget, *Pédiculinés*, 1880, p. 555, Pl. 46, f. 5.
(*Platalea leucorodia*.)
54. **grandiceps** Piaget, *Pédiculinés*, 1880, p. 558, Pl. 46, f. 7.
(*Haematopus ostralegus* et al.) [16].
55. **grandiculum** Kell. & Chap., *New Mallophaga*, iii, 1899, p. 113, Pl. 7,
f. 10. (*Pipilo fuscus*, *Melospiza fasciata*.)
56. **guiraense** Kellogg, *Journ. N. Y. Ent. Soc.*, xiv, 1906, p. 47, Pl. 2,
f. 4. (*Guira guira*.)
57. **gypagi** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 171, Pl. 6, f. 2.
(*Gypagus (Sarcorhamphus) papa*.)
58. **haliaeti** Denny, *Anoplur. Brit.*, 1842, p. 216, Pl. 19, f. 1.
(*Pandion haliaetus*) [28].

59. *heterocephalum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 305. (*Psittacus erithacus*.)
60. *heterosoma* Piaget, *Pédiculines*, 1880, p. 572, Pl. 48, f. 3, 4.
(*Phoenicopterus antiquorum*.)
61. *hirtum* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 475.
(*Buceros ruficollis*, *B. cassidix*.)
62. *hoplopteri* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 40.
(*Hoplopterus spinosus*.)
11. *ibis* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 307. *Nom. nud.*
12. *importunum* Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 214, Pl. 18, f. 1.
(*Ardea cinerea*) = *C. decimfasciatum* Boisd. & Lac.
63. *impressum* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 475.
(*Aquila fulva*.)
64. *inaequale* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 438.
(*Picus martius*.)
65. *incisum* Piaget, *Pédiculines*, 1880, p. 569, Pl. 47, f. 9.
(*Phaethon flavirostris*.)
66. *kelloggi* Osborn, *Ohio Nat.*, ii, 1902, p. 175, Pl. 11 f. 2.
(*Cathartes aura*.)
67. *kilauense* Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 161, Pl. 14, f. 1. (*Heteractitis incanus*.)
13. *lamprotornis* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 307. *Nom. nud.*
14. *lari* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 307. *Nom. nud.*
15. *lari* Packard, *Amer. Nat.*, iv, 1870, p. 96, Pl. 1, f. 1.
(*Larus marinus*) nec Gurlt, 1857. (? = *piceum* Denny. L. H.)
68. *laticeps* Kellogg, *New Mallophaga*, i, 1896, p. 149, Pl. 12, f. 8.
(*Ardea (Casmerodius) egretta*, *Botaurus lentiginosus*.)
16. *laticeps* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 42.
(*Haematopus ostralegus*) nec Kellogg, 1896,
= *C. grandiceps* Piaget.
69. *latifasciatum* Piaget, *Pédiculines*, Suppl., 1885, p. 130, Pl. 14, f. 2.
(*Rhyncops flavirostris*.)
70. *leptopygos* Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 273.
(*Ibis sacra*, *I. melanocephala*.)
71. *limosae* [Grube] Kellogg, *Sibirische Reise*, 1851, p. 490.
(*Limosa rufa*.)
17. *longicaudum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 394.
(*Columba* spp.) = *C. turbinatum* Denny.
72. *longicorne* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 393.
(*Gallus furcatus*.)

73. *longipes* Piaget, *Pédiculines*, 1880, p. 524, Pl. 43, f. 7.
(*Eclectus puniceus*.)
18. *longipes* Piaget, *Pédiculines*, Suppl., 1885, p. 125.
(*Chunga burmeisteri*) nec 1880, p. 524. Sub-species of *C. caudatum* Giebel.
74. *longissimum* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 398.
(*Leptoptilus crumenifer*.)
75. *luroris* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 174, Pl. 6, f. 4.
(*Zarhynchus wagleri*.)
76. *luteum* Schömmmer, *Mallophagen*, 1913, p. 69.
(*Anas* sp.)
77. *macilentum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 394.
(*Grus communis (grus)*.)
78. *maculatum* Piaget, *Pédiculines*, 1880, p. 516, Pl. 43, f. 1.
(*Polyborus brasiliensis (plancus)*.)
79. **majesticum* *Nom. nov.* for *C. majus* Piaget, 1880, p. 538, Pl. 44, f. 10.
(*Megapodius duperreyi*) nec 1880, p. 519 [20].
19. *majus* Piaget, *Pédiculines*, 1880, p. 519.
(*Gypogeranus (Serpentarius) serpentarius*) = *C. cucullare* Giebel.
20. *majus* Piaget, *Pédiculines*, 1880, p. 538, Pl. 44, f. 10.
(*Megapodius duperreyi*) nec 1880, p. 519 = *C. majesticum* Harrison.
21. *majus* Piaget, *Pédiculines*, 1880, p. 549.
(*Ardea (Garzetta) garzetta*) nec 1880, p. 519. Sub-species of *C. decimfasciatum* Boisduval & Lacordaire.
22. *majus* Piaget, *Pédiculines*, Suppl., 1885, p. 119, Pl. 13, f. 2.
(*Haliaetus leucogaster*) nec 1880, p. 519. Sub-species of *C. dissimile* Piaget.
23. *maurum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 395.
(*Sterna* spp.) = *C. piceum* Denny.
80. *megalops* Giebel, *Ins. Epiz.*, 1874, p. 261.
(*Sarcorhamphus papa*.)
81. *miandrium* Kellogg, *Schwed. Exp. Kilimandjaro*, 1910, p. 53, Pl. 7, f. 10. (*Balearica regulorum gibbericeps*.)
82. *milleri* Kell. & Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 483, Pl. 30, f. 6. (*Anous galapagensis*, *Sula* spp.)
83. *minus* Piaget, *Pédiculines*, 1880, p. 539, Pl. 45, f. 1.
(*Megapodius* spp.)
24. *minus* Piaget, *Pédiculines*, Suppl., 1885, p. 128.
(*Ardea russata*) nec 1880, p. 539. Sub-species of *C. trochioxum* Nitzsch.

25. *minus* Kell. & Chap., *New Mallophaga*, iii, 1899, p. 112, Pl. 7, f. 9.
(*Calidris arenaria*) nec Piaget, 1880, p. 539.
Sub-species of *C. spinulosum* Piaget.
84. *minutum* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 476.
(*Cygnus musicus*.)
26. *mirabile* Carriker, see *Myrsidea*.
85. *mjöbergi* Cummings, *Bull. Ent. Res.*, 1914, p. 163, f. 4, 5.
(*Guttera cristata*.)
86. *morsitans* Kellogg and Mann, *Ent. News*, 1912, p. 15, f. 3.
(*Tringa (Heteropygia) maculata*.)
87. *nanum* Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 257, Pl. 10, f. 10.
(*Larus canus*.)
88. *napiforme* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 395.
(*Buteo calurus*.)
89. *notatum* Piaget, *Pédiculines*, Suppl., 1885, p. 126, Pl. 13, f. 9.
(*Dicholophus (Carliamia) cristatus*.)
90. *numenii* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 389.
(*Numenius lineatus*.)
91. *nyctarde* Denny, *Anoplur. Brit.*, 1842, p. 215, Pl. 20, f. 9.
(*Ardea (Nycticorax) nycticorax*.)
92. *obscurum* Giebel, *Ins. Epiz.*, 1874, p. 273.
(*Ardea (Casmerodius) egretta*.)
27. *obscurum* Carriker and Shull, *Ent. News*, xxi, 1910, p. 52.
(*Arenaria interpres*) nec Giebel, 1874. Sub-species of *C. spinulosum* Piaget.
93. *occipitale* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 394.
(*Anastomus coromandelicus*.)
94. *ocellatum* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 392.
(*Numenius phaeopus*.)
95. *ochraceum* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 438.
(*Vanellus cristatus (vanellus)* and other plovers.)
96. *oculare* Carriker and Shull, *Ent. News*, xxi, 1910, p. 52, Pl. 5, f. 1.
(*Arenaria interpres*.) Young of *obscurum* Carriker and Shull, and, as the latter name is invalid, it becomes valid for this sub-species of *C. spinulosum* Piaget. L. H. [27]
97. *oreas* Kellogg, *Schwed. Exp. Kilimandjaro*, 1910, p. 51, Pl. 7, f. 8.
(*Herodias alba, Ephippiorhynchus senegalensis*.)
98. *osborni* Kellogg, *New Mallophaga*, ii, 1896, p. 521, Pl. 71, f. 2, 3.
(*Elanus glaucus*.)
99. *oxyurum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 519.
(*Neophron monachus*.)

28. *pachygaster* Giebel, *Ins. Epiz.*, 1874, p. 264.
(*Pandion haliaetus*) = *C. haliaeti* Denny.
100. *pachypus* Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 258, Pl. 10, f. 11.
(*Pionites brasiliensis*.)
101. *paetulum* Kell. & Kuw., *Proc. Acad. Nat. Sc. Philad.*, 1900, p. 157,
Pl. 7, f. 4. (*Arenaria interprez.*)
102. *painei* Macgregor, *Ent. News*, xxiii, 1912, p. 305, f.
(*Otus maccalli*.)
103. *pallidum* Piaget, *Pédiculines*, 1880, p. 526, Pl. 43, f. 4.
(*Cacatua moluccensis*.)
104. *parumpilosum* Piaget, *Pédiculines*, 1880, p. 536, Pl. 44, f. 8.
(*Lophophorus impeyanus*.)
105. *parviceps* Piaget, *Pédiculines*, 1880, p. 531, Pl. 44, f. 4.
(*Lamprotornis aenea*.)
106. *patellatum* Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 254, Pl. 10, f. 8.
(*Numenius arquatus*.)
107. *pectinatum* Osborn, *Ohio Nat.*, ii, 1902, p. 201, Pl. 14, f. 2.
(*Speotyto cunicularia hypogaea*.)
29. *pectinatum* Neumann, *Arch. Parasit.*, 1912, p. 368, f. 15, as a
Menopon. (*Anser domesticus (anser)*) nec Osborn, 1902
= *pectiniventre* Harrison.
108. *pectiniferum* Piaget, *Pédiculines*, Suppl., 1885, p. 90, Pl. 9, f. 8, as a
Menopon. (*Milvago pezoporus (chilmango)*.)
109. **pectiniventre* Nom. nov. for *C. pectinatum* Neumann, 1912, nec
Osborn, 1902. (*Anser domesticus (anser)*) [29].
110. *pediculoides* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 44.
(*Strepsilas (Arenaria) interprez.*)
111. *pencillatum* Piaget, *Pédiculines*, 1880, p. 552, Pl. 46, f. 2.
(*Ibis (Lophotibis) cristata*.)
30. *perenopteri* Gervais, see *Laemobothrion*.
112. *perplanum* Kell. & Chap., *New Mallophaga*, iii, 1899, p. 109, Pl. 7,
f. 8. (*Lunda cirrhata*.)
113. *piceum* Denny, *Anoplur. Brit.*, 1842, p. 212, Pl. 18, f. 4.
(*Sterna cantiaeca et al.*) [23].
31. *pilosum* Piaget, *Pédiculines*, Suppl., 1885, p. 128.
(*Chauna chavaria*) = *C. triste* Giebel.
114. *pingue* Kellogg, *New Mallophaga*, i, 1896, p. 144, Pl. 12, f. 5.
(*Diomedea albatrus*, *D. nigripes*.)
115. *polybori* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 397.
(*Polyborus tharus (plancus)*.)
116. *productum* Nitzsch in Burmeister, *Handbuch*, ii, p. 439.
(*Buceros abyssinicus*) [39].

32. *psittaci* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 307. *Nom. nud.*
117. *pungens* Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 253, Pl. 10, f. 7.
(*Calornis panayensis*.)
118. *pustulatum* Piaget, *Pédiculines*, 1880, p. 522, Pl. 43, f. 6.
(*Gypogeranus cirratus*.)
119. *pustulosum* Piaget, *Pédiculines*, 1880, p. 559, Pl. 46, f. 8.
(*Machetes pugnax*.)
120. *pygidiale* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 46.
(*Ibis religiosa*.)
121. *quadrimaculatum* Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 223,
Pl. 21, f. 4. (*Loxia curvirostra minor*.)
122. *quadripustulatum* Nitzsch in Burmeister, *Handbuch*, ii, p. 438.
(*Ciconia alba et al.*)
123. *quadriseriatum* Picaglia, *Atti Soc. Ital. Sc. Nat.*, xxviii, 1885, p. 8.
(*Tadorna cornuta (tadorna)*.)
124. *scalariforme* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 471.
(*Tantalus oculator*.)
125. *scopinum* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 47.
(*Scopus umbretta*.)
126. *scopularium* Neumann, *Arch. Parasit.*, 1912, p. 370, f. 16.
(*Passer domesticus*.)
127. *semicinctum* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 475.
(*Corvus scapulatus*.)
128. *semiluctus* Gervais, *Aptères*, iii, 1847, p. 322, Pl. 49, f. 7.
(*Grus (Balearica) pavonina*) [1, 36].
129. *setosum* Piaget, *Pédiculines*, 1880, p. 519.
(*Circaetus (Helotarsus) ecaudatus, Haliaetus macei*.)
Sub-species of *C. caudatum* Giebel.
33. *setosum* Piaget, *Pédiculines*, 1880, p. 521, Pl. 43, f. 5.
(*Cathartes (Vultur) gryphus*) nec 1880, p. 519
= *trichosum* Harrison.
34. *setosum* Piaget, *Pédiculines*, Suppl., 1885, p. 126, Pl. 13, f. 8.
(*Crax carunculata*.) Sub-species of *C. abdominale* Piaget.
35. *sjoestedti* Kellogg, see *Myrsidea*.
130. *spineum* Kellogg, *New Mallophaga*, iii, 1899, p. 38, Pl. 4, f. 1.
(*Fregata aquila*.)
131. *spinosum* Piaget, *Pédiculines*, 1880, p. 537, Pl. 44, f. 9.
(*Francolinus capensis*.)
132. *spinulosum* Piaget, *Pédiculines*, 1880, p. 563, Pl. 47, f. 3.
(*Limosa melanura*) [25, 27].

133. **stictum** Kellogg and Paine, *Ent. News*, xxii, 1911, p. 77, f. 2.
(*Gallinago delicata*.)
134. **subaequale** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 438.
(*Corvus* spp.)
135. **subflavescens** Piaget, *Pédiculines*, 1880, p. 571, Pl. 48, f. 2.
(*Xenorhynchus senegalensis*.)
136. **subpachygaster** Piaget, *Pédiculines*, 1880, p. 517, Pl. 43, f. 2.
(*Strix* spp.)
137. **subpenicillatum** Piaget, *Pédiculines*, Suppl., 1885, p. 123, Pl. 13,
f. 6. (*Ibis hagedasch*=*Hagedaschia hagedasch*.)
138. **subpustulatum** Carriker & Shull, *Ent. News*, xxi, 1910, p. 54, Pl. 5,
f. 2. (*Ceryle alcyon*.)
139. **subrotundum** Giebel, *Ins. Epiz.*, 1874, p. 266.
(*Musophaga violacea*.)
140. **sulcatum** Piaget, *Pédiculines*, 1880, p. 565, Pl. 47, f. 5.
(*Sterna nigra*=*Hydrochelidon nigra*.)
141. **temporale** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 252, Pl. 10, f. 6.
(*Microglossus aterrimus*.)
142. **thoracicum** Kellogg and Paine, *Rec. Ind. Mus.*, x, 1914, p. 230.
(*Pavo muticus*.)
143. **tibiale** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 163, Pl. 4, f. 6.
(*Tantalus (Pseudotantalus) senegalensis*.)
144. **tigrum** Kellogg and Mann, *Ent. News*, xxiii, 1912, p. 64.
(*Arenaria melanocephala*.)
145. **timidum** Kellogg, *New Mallophaga*, i, 1896, p. 145, Pl. 12, f. 6.
(*Charadrius dominicus*.)
146. ***trichosum** *Nom. nov.* for *setosum* Piaget, 1880, p. 521, *nec* p. 519.
(*Cathartes (Vultur) gryphus*) [33].
147. **tricinctum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 524.
(*Milvus ater*.)
148. **trilobatum** Giebel, *Ins. Epiz.*, 1874, p. 275.
(*Tringa minuta*.)
149. **trimaculatum** Piaget, *Pédiculines*, 1880, p. 525, Pl. 43, f. 8.
(*Platycercus pallidiceps*, *P. barrabandi*.)
150. **trispinum** Piaget, *Pédiculines*, Suppl., 1885, p. 122, Pl. 13, f. 5.
(*Theristicus caudatus*.)
151. **triste** Giebel, *Ins. Epiz.*, 1874, p. 297.
(*Chauna chavaria*) [31].
152. **trochiorum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 438.
(*Botaurus stellaris*) [24].
153. **truncatum** Piaget, *Pédiculines*, 1880, p. 540, Pl. 45, f. 2.
(*Grus* spp.) (? = *macilentum* N. L. H.)

36. *tuberculatum* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 394.
(*Grus (Balearica) pavonina*) = *C. semiluctus* Gervais.
154. *turbinatum* Denny, *Anoplur. Brit.*, 1842, p. 209, Pl. 21, f. 1.
(*Columba livia*) [17].
155. *umbrinum* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 438.
(*Tringa (Erolia) subarquata*) [5].
37. *umbrinum* Piaget, *Pédiculines*, 1880, p. 556, Pl. 46, f. 6.
(*Tringa (Erolia) subarquata*) nec Nitzsch, 1838
= *umbrosum* Harrison.
156. **umbrosum* Nom. nov. for *umbrinum* Piaget, 1880, nec Nitzsch, 1838. (*Tringa (Erolia) subarquata*) [37].
157. *unciferum* Kellogg, *New Mallophaga*, i, 1896, p. 140, Pl. 12, f. 1-3.
(*Pelecanus* spp.)
158. *unicolor* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 470.
(*Carpophaga samoensis*, *C. bicolor*.)
159. *uniforme* Kellogg, *New Mallophaga*, i, 1896, p. 142, Pl. 12, f. 4.
(*Recurvirostra americana*.)
160. *uniseriatum* Piaget, *Pédiculines*, 1880, p. 562, Pl. 47, f. 2.
(*Recurvirostra avocetta*.)
161. *veratrum* Kellogg, *Schwed. Exp. Kilimandjaro*, 1910, p. 52, Pl. 7,
f. 9. (*Herodias alba*.)
38. *villosum* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 394.
(*Psittacus erithacus*.) Nom. nud.
162. *vinculum* Le Souëf and Bullen, *Vict. Nat.*, xviii, 1902, p. 158, f. 10.
(*Strepera graculina*.)
163. *vittatum* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 469.
(*Ardea (Ardeola) ralloides*.)
39. *vittatum* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 394.
(*Buceros abyssinicus*.) Nom. nud. = *C. pro-*
ductum Nitzsch.
164. *xenicum* Kellogg, *Schwed. Exp. Kilimandjaro*, 1910, p. 52.
(*Ardetta (Ardeirallus) sturmi*.)
165. *zebra* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 438.
(*Ciconia alba*.)
166. *zonatum* Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 391.
(*Ardea (Ardeola) ralloides*.)

Genus 11. *Eomenopon* Harrison.

1. *denticulatum* Harrison, *Parasitology*, vii, 1915, p. 385, f. 5, 6, 16.
(*Trichoglossus novaehollandiae*, *Ptilosclera*
versicolor.)
2. *spinimentum* Neumann, *Bull. Soc. Toulouse*, xxv, 1891, p. 88, f. 5.
(*Chalcopsittacus fuscatus*.)

Genus 12. **Myrsidea** Waterston.

- 1 **albiceps** Piaget, *Pédiculines*, 1880, p. 437, Pl. 34, f. 4.
(*Garrulus caledonicus*) [1].
1. *albipes* Piaget, *Pédiculines*, 1880, p. 680, *nom. nov.* in error for
Menopon albipes Piaget, *nec* Giebel, the latter's
species being *albipes*, = *albiceps* Piaget.
2. **americana** Kellogg, *New Mallophaga*, ii, 1896, p. 539.
(*Corvus americanus*.) Sub-species of *M. meso-*
leuca N.
3. **argentina** Kellogg, *Journ. N. Y. Ent. Soc.*, xiv, 1906, p. 49, Pl. 2, f. 7.
(*Chrysomitris icterica*.)
4. **anathorax** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 120.
(*Corvus monedula*.)
- *6. **breviventris** Piaget, *Pédiculines*, 1880, p. 441, Pl. 35, f. 8.
(*Pastor tricolor*.)
7. **brunnea** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 120.
(*Nucifraga caryocatactes*.)
8. **castanea** Piaget, *Pédiculines*, Suppl., 1885, p. 99.
(*Corvus macrorhynchus*.) Sub-species of *M.*
ovata Piaget.
9. **concreta** Piaget, *Pédiculines*, 1880, p. 481, Pl. 38, f. 9.
(*Porphyrio melanopterus (melanonothus?)*. ? Straggler. L. H.)
10. **consimilis** Piaget, *Pédiculines*, Suppl., 1885, p. 97, Pl. 10, f. 7.
(*Corvus cornix*.)
11. **conspicua** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 164, Pl. 15,
f. 4. (*Carpodacus mexicanus obscurus*.)
2. *cornicis* Degeer, *Mém. Hist. Ins.*, 1778, vii, p. 76, Pl. 4, f. 11,
nec Fabricius, 1775 = *subaequalis* Lyonet.
12. **crassipes** Piaget, *Pédiculines*, 1880, p. 450, Pl. 35, f. 7.
(*Epimachus magnificus*.)
13. **cucullaris** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 439.
(*Sturnus vulgaris*) [3].
14. **cyrtostigma** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 165,
Pl. 15, f. 3. (Several *passerines*, Hawaii.)
15. **diffusa** Kellogg, *New Mallophaga*, iii, 1899, p. 40, Pl. 4, f. 3, 4.
(Several *passerines*, Panama.)
16. **dissimilis** Kellogg, *New Mallophaga*, ii, 1896, p. 536, Pl. 73, f. 5.
(*Progne subis*) (? = *rustica* Nitzsch. L. H.)
17. **exsanguis** Paine and Mann, *Psyche*, xx, 1913, p. 19.
(*Campophilus melanoleucus*.)

* No. 5 is omitted through changes in the proof. Ed.

18. **extranea** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 173, Pl. 6, f. 3.
(*Nyctidromus albicollis*. ? Straggler, L. H.)
3. **flavescens** Piaget, *Pédiculines*, 1880, p. 439, Pl. 35, f. 9.
(*Sturnus* spp.) = *cucullaris* Nitzsch.
19. **flavida** Piaget, *Pédiculines*, 1880, p. 438, Pl. 42, f. 5.
(*Eurylaemus cucullatus*.)
20. **funerea** Kell. & Chap., *New Mallophaga*, iii, 1899, p. 124, Pl. 8,
f. 6. (Several *passerines*, California.)
21. **gonophaea** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 440.
(*Corvus corax*.)
22. **grandiceps** Piaget, *Pédiculines*, 1880, p. 494, Pl. 41, f. 6.
(*Xulla mangola*.)
23. **imbricata** Neumann, *Bull. Soc. Toulouse*, xxv, 1890, p. 91, f. 7.
(*Chlorolampis elegans*.)
24. **inaequalis** Piaget, *Pédiculines*, 1880, p. 443, Pl. 35, f. 1.
(*Lanius collurio*.)
25. **incerta** Kellogg, *New Mallophaga*, ii, 1896, p. 533, Pl. 73, f. 2.
(Many *passerines*, America.)
26. **indivisa** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 120.
(*Garrulus glandarius*.)
27. **insolita** Kellogg and Paine, *Rec. Ind. Mus.*, x, 1914, p. 238.
(*Corvus insolens*.)
28. **integra** Piaget, *Pédiculines*, 1880, p. 451, Pl. 35, f. 5.
(*Paradisea chalybaea*=*Manucodia chalybata*.)
29. **intermedia** Piaget, *Pédiculines*, 1880, p. 430.
(*Corvus torquatus*.) Sub-species of *M. obovata* P.
30. **interrupta** Osborn, *Bull. 5, Div. of Ent.* (1896), p. 245, Pl. 2, f. h.
(*Corvus americanus*) (? = *americana* Kell. L. H.)
31. **invadens** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 167, Pl. 15,
f. 5. (*Acridotheres tristis*.)
32. **isostoma** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 119.
(*Corvus frugilegus*.)
33. **major** Piaget, *Pédiculines*, 1880, p. 441.
(*Emberiza nivalis*.) Sub-sp. of *M. quadrifasciata*.
34. **melanorum** Kellogg, *New Mallophaga*, ii, 1896, p. 532, Pl. 73, f. 1.
(*Pipilo erythrophthalmus*.)
35. **mera** Piaget, *Pédiculines*, Suppl., 1885, p. 108, Pl. 11, f. 10.
(*Ptilopus fasciatus*.)
4. **mesoleuca** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 439.
(*Corvus cornix*, *C. corone*) = *subaequalis* Lyonet.
36. **minuscule** Piaget, *Pédiculines*, Suppl., p. 104, Pl. xi, f. 5.
(*Philepitta jala*.)

37. *mirabilis* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 175, Pl. 6, f. 5.
(*Zarhynchus wagleri*.)
38. *nigra* Kellogg and Paine, *Bull. Ent. Res.*, 1911, p. 151, Pl. 5, f. 4.
(*Corvultur albicollis*.)
39. *obovata* Piaget, *Pédiculines*, 1880, p. 429, Pl. 34, f. 1.
(*Corvus scapulatus*.)
40. *ovata* Piaget, *Pédiculines*, 1880, p. 430, Pl. 34, f. 6.
(*Corvus scapulatus*.)
5. *pallida* Piaget, *Pédiculines*, Suppl., 1885, p. 102.
(*Epimachus albus*) *nec* Nitzsch, 1838 = *M. piageti* Harrison.
41. *parumpilosa* Piaget, *Pédiculines*, 1880, p. 421, Pl. 33, f. 6.
(*Trichoglossus ornatus*.)
42. **piageti* *Nom. nov.* for *pallida* Piaget, 1885, *nec* Nitzsch, 1838.
(*Epimachus albus*) [5].
43. *picae* Denny, *Anoplur. Brit.*, 1842, p. 213, Pl. 18, f. 6.
(*Corvus pica*.)
44. *pilosa* Piaget, *Pédiculines*, 1880, p. 432, Pl. 33, f. 9.
(*Corvus senex*.)
45. *platygaster* Giebel, *Ins. Epiz.*, 1874, p. 290.
(*Scythrops novaehollandiae*.)
46. *pullula* Piaget, *Pédiculines*, Suppl., 1885, p. 105, Pl. 11, f. 6.
(*Artamia bernieri*.)
47. *quadrifasciata* Piaget, *Pédiculines*, 1880, p. 440, Pl. 35, f. 6.
(*Passer domesticus*.)
48. *ridulosa* Kell. & Chap., *New Mallophaga*, iii, 1899, p. 135, Pl. 9, f. 4.
(*Dendroica aestiva*.)
49. *robsoni* Cummings, *Bull. Ent. Res.*, 1914, p. 169, f. 7.
(*Gymnocorax senex*.) (? = *pilosa* Piaget. L. H.)
50. *rustica* Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 288.
(*Hirundo rustica* and other swallows.)
51. *saturata* Piaget, *Pédiculines*, Suppl., 1885, p. 96, Pl. 10, f. 6.
(*Corvus enca*.)
52. *sjoestedti* Kellogg, *Schwed. Exp. Kilimandjaro*, 1910, p. 50, Pl. 7, f. 7. (*Corvus scapulatus*, *Corvultur albicollis*.)
53. *subaequalis* Lyonet (De Haan), *Mém. Mus.*, xviii, 1829, p. 266, Pl. 4, f. 5. (*Corvus corone*) [2, 4].
54. *trinota* Piaget, *Pédiculines*, 1880, p. 431, Pl. 33, f. 10.
(*Corvus validissimus*.)
55. *trithorax* Piaget, *Pédiculines*, Suppl., 1885, p. 97, Pl. 10, f. 8.
(*Corvus macrorhynchus*.)
56. *victrix* Waterston, *Ent. Month. Mag.*, 1915, p. 13, f. 2.
(*Rhamphastos* sp. ? *tocard*.)

Genus 13. **Somaphantus** Paine.

1. **lusius** Paine, *Smithsonian Misc. Coll.*, lxi, 1914, p. 2, f. 1.
(*Numida ptilorhyncha*.)

Genus 14. **Machaerilaemus** Harrison.

1. **laticorpus** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 190, Pl. 7, f. 5.
(*Thamnophilus doliatus*.)
2. **latifrons** Harrison, *Parasitology*, vii, 1915, p. 390, f. 1-4.
(*Poephila gouldiae*.)

Genus 15. **Tetrophthalmus** Grosse.

1. **bursaepelicanæ** Perry, *Proc. Lit. Phil. Soc. Liverpool*, xxx, 1876, p. lxxx. (*Pelecanus fuscus*.)
2. **chilensis** Grosse, *Zeit. f. wiss. Zool.*, xlii, 1885, p. 530.
(*Pelecanus* sp. Chili.)
3. **consanguineus** Piaget, *Notes Leyd. Mus.*, vi, 1884, p. 111.
(*Pelecanus erythrorhynchus*.)
4. **incompositus** Kell. & Chap., *New Mallophaga*, iii, 1899, p. 123, Pl. 8, f. 4. (*Phalacrocorax penicillatus*. Straggler from a pelican. L. H.)
1. **impar** Kellogg, *New Mallophaga*, i, 1896, p. 165.
(*Pelecanus erythrorhynchus*) as a *Menopon*, sub-species of *M. titan*, nec *M. impar* Piaget, 1885.
5. **linearis** Kellogg, *New Mallophaga*, i, 1896, p. 165.
(*Pelecanus californicus*.)
6. **perale** Leidy, *Proc. Acad. Nat. Sci. Phila.*, 1878, p. 100.
(*Pelecanus trachyrhynchus*) [2].
2. **ragazzii** Picaglia, *Atti d. Soc. Nat. Modena, Rend. d. Adunanze*, ii, 1884, p. 105. (*Pelecanus trachyrhynchus*) = *T. perale* Leidy.
7. **titan** Piaget, *Pédiculines*, 1880, p. 503, Pl. 40, f. 7.
(*Pelecanus onocrotalus*.)

Genus 16. **Dennyus** Neumann.

1. **bruneri** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 55.
(*Aeronautes melanoleucus*) [4].
1. **burmeisteri** Denny, *Anoplur. Brit.*, 1842, p. 230, Pl. 22, f. 5.
(*Cypselus apus*) = *D. truncatus* Olfers.
2. **dubius** Kellogg, *New Mallophaga*, ii, 1896, p. 240, Pl. 73, f. 6.
(*Chaetura pelagica*.)

3. **latifrons** Carriker & Shull, *Ent. News*, xxi, 1910, p. 56, Pl. 5, f. 4.
(*Riparia riparia*.)
4. **meridionalis** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 178.
(*Chaetura griseiventris*.)
5. **minor** Kellogg and Paine, *Rec. Ind. Mus.*, x, 1914, p. 242.
(*Cypselus affinis*.)
2. **pulicaris** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 304.
(*Cypselus apus*) = *D. truncatus* Olfers.
3. **tibialis** Piaget, *Pédiculines*, 1880, p. 576, Pl. 48, f. 5.
(*Cypselus apus*) = *D. truncatus* Olfers.
4. **tibialis** Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 225, Pl. 22,
f. 4, 5. (*Aeronautes melanoleucus*) nec Piaget, 1880.
= *D. bruneri* Carriker.
6. **truncatus** Olfers, *De vegetativis, etc.*, 1816, p. 91.
(*Cypselus apus*) [1, 2, 3].

Genus 17. **Trinoton** Nitzsch.

1. **aculeatum** Piaget, *Pédiculines*, Suppl., 1885, p. 136, Pl. 15, f. 1.
(*Dendrocygna viduata*.)
2. **anserinum** Fabricius, *Syst. Antl.*, 1805, p. 345.
(*Anser cinereus*) [1, 5, 6].
1. **anseris** Sulzer, *Abg. Ges. Ins.*, 1776, Pl. 28, f. 4, nec *Ped. anseris*
Linn. = *anserinum* Fabricius.
3. **biguttatum** Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 467.
(*Tinamus bannaquira*.) (Probably not a
Trinoton. L. H.)
2. **bursaepelecanae** Perry, see *Tetrophthalmus*.
3. **citrinellae** [Denny] Gervais, see *Menopon*.
4. **clangulae** O. Fabricius, *Faun. Groen.*, 1780, p. 217.
(*Clangula chrysophthalmus*) = *T. querquedulae* Linn.
5. **conspurcatum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 440.
(*Anser, Cygnus*) = *T. anserinum* Fabricius.
6. **continuum** Piaget, *Pédiculines*, 1880, p. 591.
(*Anser domesticus*) = *T. anserinum* Fabricius.
7. **cucullare** [Nitzsch] Gervais, see *Myrsidea*.
4. **femoratum** Piaget, *Pédiculines*, 1880, p. 593, Pl. 49, f. 4.
(*Phoenicopterus antiquorum*.)
3. **fulvocinctum** [Denny] Gervais, see *Menopon*.
9. **fulvomaculatum** [Denny] Gervais, see *Menopon*.
10. **giganteum** [Denny] Gervais, see *Menopon*.
11. **gracile** Grube, *Sib. Reise, Zool.*, i, p. 494, Pl. 32, f. 6.
(*Anas* spp.) = *T. querquedulae* Linn.

5. **intermedium** Piaget, *Pédiculines*, 1880, p. 595, Pl. 49, f. 5.
(*Tadorna radjah*.)
12. **lari** Degeer, *Mém. Hist. Ins.*, vii, 1778, p. 77, Pl. 4, f. 12 = *T. querquedulae* Linn.
6. **litturatum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 441.
(*Mergus albellus*.)
13. **luridum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 441.
(Many ducks) = *T. querquedulae* Linn.
7. **minus** Osborn, *Bull. Div. Ent.*, 1896, p. 248.
(*Oidemla* sp.)
14. **mesoleucum** [Nitzsch] Gervais, see *Myrsidea*.
15. **minutum** [Nitzsch] Gervais, see *Menopon*.
16. **nigropleurum** [Denny] Gervais, see *Menopon*.
8. **nigrum** Le Souëf, *Vict. Nat.*, xix, 1902, p. 90.
(*Chenopsis atrata*.)
17. **obscurum** Stephens, *Catalogue*, 1829, p. 334. *Nom. nud.*
18. **perdicis** [Denny] Gervais, see *Menopon*.
19. **phanerostigmaton** [Nitzsch] Gervais, see *Menopon*.
20. **pici** [Denny] Gervais, see *Menopon*.
21. **pygmaeum** Kolenati, *Melet. Ent.*, v, 1846, p. 139, Pl. 19, f. 5.
(*Carbo pygmaeus*. Straggler, L. H.) = *T. querquedulae* Linn.
9. **querquedulae** Linné, *Syst. Nat.*, 1758, p. 612.
(*Anas querquedula*) [4, 11, 12, 13, 21, 24].
22. **scopulacorne** [Denny] Gervais, see *Pseudomenopon*.
23. **sinuatum** [Denny] Gervais, see *Menopon*.
10. **spinosum** Piaget, *Pédiculines*, 1880, p. 596, Pl. 49, f. 6.
(*Mareca penelope*.)
24. **squalidum** Denny, *Anoplur. Brit.*, 1842, p. 235, Pl. xvii, f. 3.
(*Anser albifrons*) = *T. querquedulae* Linn.
25. **stramineum** [Nitzsch] Gervais, see *Menopon*.
11. **stramineum** Giebel, *Ins. Epiz.*, 1874, p. 302.
(*Hirundo americana*.)
26. **troglydytis** [Denny] Gervais, see *Menopon*.

Genus 18. **Eureum** Nitzsch.

1. **cimexoides** [Nitzsch] Gervais, *Aptères*, iii, p. 327 = *cimicoides* Nitzsch.
1. **cimicoides** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 441.
(*Cypselus apus*) [1].
2. **malleus** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 441.
(*Hirundo rustica*.)

Genus 19. **Pseudomenopon** Mjöberg.

1. **cinereum** Piaget, *Pédiculines*, Suppl., 1885, p. 111, Pl. 12, f. 3.
(*Himantornis haematopus*.)
2. **costaricense** Carriker, *Univ. Nebr. Stud.*, ii, 1903, p. 178.
(*Porzana cinereiceps*.)
3. **insolens** Kellogg, *New Mallophaga*, i, 1896, p. 116, Pl. 15, f. 3, 4.
(*Colymbus nigricollis*. ? Straggler, L. H.)
1. **majus** Piaget, *Pédiculines*, 1880, p. 480, nec p. 441.
(*Fulica atra*.)
4. **pacificum** Kellogg, *New Mallophaga*, i, 1896, p. 166.
(*Fulica americana*.)
5. **par** Kellogg, *New Mallophaga*, i, 1896, p. 166.
(*Aechmophorus occidentalis*.)
2. **scopulacorne** Denny, *Anoplur. Brit.*, 1842, p. 221, Pl. 18, f. 9.
(*Rallus aquaticus*) = *tridens* Nitzsch.
6. **tridens** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 440.
(*Gallinula chloropus* and other rails) [2].

Sub-family d. **Ancistrinae** Harrison.Genus 20. **Ancistrana** Westwood.

1. **gigas** Piaget, *Tijd. v. Ent.*, xxvi, 1883, p. 152, Pl. 9, f. 1.
(*Fulmarus glacialis*) = *vagelli* Fabricius.
2. **procellariae** Westwood, *Thes. Ent. Oxon.*, 1874, p. 197, Pl. 37, f. 4.
(*Daption capensis*) = *vagelli* Fabricius.
1. **vagelli** Fabricius, *Mant. Ins.*, 1787, p. 369.
(*Fulmarus glacialis*) [1, 2].

Family v. **Laemobothriidae** Mjöberg.Genus 21. **Laemobothrion** Nitzsch.

1. **africanum** Kellogg, *Schwed. Zool. Exp. Kilimandjaro*, 1910, p. 47,
. Pl. 7, f. 6. (*Pseudogyps africanus*.)
1. **africanum** Kellogg and Ferris, *Ann. Durban Mus.*, i, 1915, p. 147,
Pl. 15, f. 1, nec Kellogg, 1910.
(*Theristicus hagedasch* = *Hagedaschia hagedasch*.)
2. **albicillae** Leach MS., in Denny, *List. Brit. An.*, 1852, p. 23.
(*Haliaetus albicilla*.) Nom. nud. = *tinnunculi* Linn.
3. **atrum** Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 240.
(*Fulica atra*) = *nigrum* Burmeister.

2. **brasiliense** Rudow, *Zeit. f. ges. Nat.*, xxxiv, 1869, p. 405.
(*Hallieus brasiliensis*=*Phalacrocorax vigua*.)
4. **buteonis** Fabricius, *Gen. Ins.*, 1776, p. 309.
(*Buteo vulgaris*) = *tinnunculi* Linn.
3. **buteonivorus** Packard, 6th Ann. Rept. U. S. Geol. Surv., 1872, p. 733
f. 61. (*Euteo swainsoni*.) (As a *Nirmus*. L. H.)
4. **chloropodis** Schrank, *Fauna Boica*, 1803, p. 189.
(*Gallinula chloropus*.)
5. **circi** Geoffroy, *Hist. Abr. Ins.*, 1762, ii, p. 598, Pl. 20, f. 1.
(*Circus aeruginosus*) = *tinnunculi* Linn.
5. **cubense** Kellogg and Ferris, *Ann. Durban Mus*, i, 1915, p. 149
(*Aramus giganteus holostictus*.)
6. **delogramma** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 159, Pl. 4, f. 6
(*Gypagus papa*) = *glutinans* Giebel.
6. **emarginatum** Piaget, *Pédiculines*, 1880, p. 584, Pl. 48, f. 8.
(*Gallinula haematopus*.)
7. **giganteum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 441.
(*Haliaetus albicilla*) = *tinnunculi* Linn.
8. **gigas** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 518.
(*Neophron percnopterus*.) *Nom. nud.* = *percnopteri* Gervais. .
7. **gilvum** Burmeister in Denny, *Anoplur. Brit.*, 1842, p. 240.
(*Ardea (Botaurus) stellaris*.)
8. **glutinans** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 518.
(*Gypagus papa*) [6].
9. **gracile** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 519
(*Vultur leucocephalus*.) *Nom. nud.*
10. **gracile** Giebel, *Ins. Epiz.*, 1874, p. 254, *nec* Nitzsch, 1861 =
gracilentum Harrison.
9. ***gracilentum** *Nom. nov.* for *gracile* Giebel, *Ins. Epiz.*, 1874, p. 254
nec Nitzsch, 1861.
(*Psophia crepitans*) [10].
10. **gypsis** Kellogg, *Ent. News*, xvii, 1906, p. 63, f.
(*Gyps kolbi*.)
11. **hasticeps** Olfers, *De Veget.*, 1816, p. 87.
(*Falco tinnunculus*) = *tinnunculi* Linn.
12. **hastipes** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 442.
(*Falco tinnunculus*) = *tinnunculi* Linn.
13. **indicum** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 396.
(*Vultur (Gyps) indicus*.) *Nom. nud.*
11. **lathrobium** Kolenati, *Melet. Ent.*, v, 1846, p. 139, Pl. 19, f. 6.
(*Vultur* sp.)

14. *laticolle* Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 239, Pl. 23, f. 4.
(*Falco subbuteo*) = *tinnunculi* Linn.
15. *lichtensteini* Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 253, Pl. 18, f. 8.
(*Struthio camelus*.) *Nom. nud.*
12. *loomisi* Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 23, Pl. 3,
f. 3. (*Anser albifrons gambeli*.)
16. *maximum* Scopoli, *Ent. Carn.*, 1763, p. 382 = *tinnunculi* Linn.
17. *mystax* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 396,
see *Ricinus*.
18. *nigrolimbatus* Giebel, *Ins. Epiz.*, 1874, p. 252.
(*Circus* spp.) = *tinnunculi* Linn.
13. *nigrum* Burmeister, *Handbuch*, ii, 1838, p. 442.
(*Fulica atra*) [3].
19. *nocturnum* Giebel, *Ins. Epiz.*, 1874, p. 302.
(*Strix aluco*) = *tinnunculi* Linn.
14. *oligothrix* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 161, Pl. 4, f. 7.
(*Buteo borealis costaricensis*.)
15. *opisthocomi* Cummings, *Bull. Ent. Res.*, 1913, p. 42, f. 5.
(*Opisthocomus cristatus* (*hoazin*).)
16. *pallescens* Kellogg, *Mallophaga in Wytsman's Gen. Insect.*, 1908, p. 74,
nom. nov. for pallidum Piaget, 1885, p. 132, *nec* Giebel, 1874.
(*Ibis olivacea*) [21].
20. *pallidum* Giebel, *Ins. Epiz.*, 1874, p. 250.
(*Neophron percnopterus*) = *percnopteri* Gervais.
21. *pallidum* Piaget, *Pédiculines*, Suppl., 1885, p. 132, Pl. 14, f. 4.
(*Ibis olivacea*) *nec* Giebel, 1874 = *pallescens* Kellogg.
17. *percnopteri* Gervais, *Aptères*, iii, 1847, p. 321, Pl. 48, f. 6.
(*Neophron percnopterus*) [8, 20].
18. *punctatum* Gervais in Gay, *Hist. fis. Chile*, 1849, p. 104.
(Several undetermined accipitrines.)
19. *setigerum* Piaget, *Notes Leyden Mus.*, xi, 1889, p. 35, Pl. 2, f. 2.
(*Ibis cayennensis*.)
20. *simile* Kellogg, *New Mallophaga*, i, 1896, p. 153, Pl. 14, f. 1, 2.
(*Colymbus nigricollis californicus*.)
21. *tinnunculi* Linné, *Syst. Nat.*, 1758, p. 612.
(*Falco tinnunculus*) [2, 4, 5, 7, 11, 12, 14, 16, 18, 19].
22. *titan* Piaget, *Pédiculines*, 1880, p. 578, Pl. 49, f. 1.
(*Milvus aetolius*.)
22. *tridens* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 396,
see *Pseudomenopon*.
23. *validum* Giebel, *Ins. Epiz.*, 1874, p. 251.
(*Neophron monachus*.)

23. *vulturis* Fabricius, *Syst. Ent.*, 1775, p. 806. Not recognisable.
Discard.
24. *vulturis* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*

Family vi. **Ricinidae** Neumann.Genus 22. **Ricinus** Degeer.

1. *agonus* Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 121.
(*Sylvia (Erithacus) rubecula*)=*rubeculae* Schrank.
1. *angulatus* Kellogg, *New Mallophaga*, ii, 1896, p. 515, Pl. 70, f. 5.
(Several passerines, America.)
2. *angulicollis* [Giebel] Enderlein, *Deutsch. Sud-polar Exp.*, Zool., ii,
p. 448, see *Esthiopterum*.
2. *arcuatus* Kellogg and Mann, *Ent. News*, 1912, p. 65.
(*Tyrannus vociferus*.)
3. *australis* Kellogg, *New Mallophaga*, ii, 1896, p. 516, Pl. 70, f. 4.
(*Tanagra versicolor*.)
4. *bombycillae* Denny, *Anoplur. Brit.*, 1842, p. 242, Pl. 23, f. 5.
(*Bombycilla garrula*) [6].
5. *cherriei* Durrant, *Ohio Nat.*, vii, 1906, p. 36, f. E, F.
(*Melozone cabanisi*.)
6. *clypeatus* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 60.
(*Alauda alpestris*.)
7. *diffusus* Kellogg, *New Mallophaga*, ii, 1896, p. 518, Pl. 70, f. 3.
(Several passerines, America.)
8. *dolichocephalus* Scopoli, *Ent. Carn.*, 1763, p. 382.
(*Coracias, Oriolus*) [8. 12].
3. *doratophorus* Carriker, see *Trochiloeetes*.
9. *elongatus* Offers, *De vegetativis, etc.*, 1816, p. 88.
(*Turdus viscivorus*) [1].
10. *fasciatus* Piaget, *Pédiculines. Suppl.*, 1885, p. 134, Pl. 14, f. 6.
(*Larus capistratus*. Straggler, L. H.)
11. *frenatus* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 442.
(*Regulus verus*.)
4. *fringillae* Degeer, *Mém. Hist. Ins.*, vii, 1778, p. 71.
(*Fringilla coelebs*) = *nitidissimus* Nitzsch.
5. *fuscaminulatus* Enderlein, *Deutsch. Sud-polar Exp.*, x, ii, 1909,
p. 447, see *Degeeriella*.
12. *hastatus* Osborn, *Ohio Nat.*, ii, 1902, p. 203, Pl. 14, f. 3.
(*Junco hyemalis, J. aikenii*.)
6. *intermedius* Piaget, *Pédiculines*, 1880, p. 605, Pl. 50, f. 4.
(*Bombycilla garrula*) = *bombycillae* Denny.

- 6 a. *intermedius* Uchida, *Annotat. Zool. Japon.*, ix, 1915, p. 68, fig. 1.
Invalidated by *intermedius* Piaget.
13. *invadens* Kellogg, *New Mallophaga*, iii, 1899, p. 50.
(*Chiroxiphia lanceolata*.)
14. *irascens* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 442.
(*Fringilla coelebs*.)
- 14a. *japonicus* Uchida, *Annotat. Zool. Japon.*, ix, 1915, p. 70.
15. *jiminezii* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 163, Pl. 5, f. 1.
(*Amizillis tzacatl*, *Selasphorus flammula*.)
16. *leptosomus* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 166, Pl. 5, f. 2.
(*Myiarchus lawrenci*, *Myiozetetes cayanensis*.)
17. *lineatus* Osborn, *Bull.* 5, *Div. Ent.*, 1896, p. 248.
(*Trochilus colubris*.)
18. *longetarsatus* Piaget, *Tijd. v. Ent.*, xxxviii, 1895, p. 101.
(? *Lamprotornis* sp.)
19. *maculatus* Piaget, *Pédiculines*, Suppl., 1885, p. 133, Pl. 14, f. 5.
(*Apternus crisssoleucus*.)
20. *marginatus* Children, *App. Back's Exp.*, 1837, p. 539.
(Host unknown.)
21. *merulae* Durrant, *Ohio Nat.*, vii, 1906, p. 35, f. 1 d.
(*Merula migratoria*.)
22. *microcephalus* Kellogg, *New Mallophaga*, ii, 1896, p. 530, Pl. 70, f. 1.
(*Carpodacus mexicanus*.)
- 22a. *mugimaki* Uchida, *Annotat. Zool. Japon.*, ix, 1915, p. 70, fig. 2.
7. *mystax* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 442.
(*Turdus pilaris*) = *elongatus* Olfers.
23. *nigrolimbatus* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 58.
(*Calamoherpe* sp.)
24. *nitidissimus* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 395.
(*Emberiza citrinella*) [4].
8. *orioli* Fabricius, *Gen. Ins.*, 1776, p. 309.
(*Oriolus galbula*) = *dolichocephalus* Scopoli.
25. *pallens* Kellogg, *New Mallophaga*, iii, 1899, p. 49, Pl. 4, f. 7.
(*Protonotaria citrea*, *Elainea subpagana*.)
26. *pallidus* Kellogg, *New Mallophaga*, ii, 1896, p. 519.
(*Junco* spp.) Sub-species of *R. diffusus* Kell.
27. *picturatus* Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 224, Pl. 23, f. 3. (*Helminthophila* spp.)
28. *praetextus* Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 257.
(*Campylops (Diglossa) mexicanus*, *Diglossa baritula*.)
9. *prominens* Kellogg and Chapman, see *Trochiloecetes*.

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10. *pterocephalus* Olfers, *De vegetativis, etc.*, 1816, p. 91.
(*Sylvia (Erithacus) rubecula*)=*rubeculae* Schrank.
29. *rubeculae* Schrank, *Beyträge*, 1776, p. 115, f. 4.
(*Sylvia (Erithacus) rubecula*) [1, 10].
30. *serratus* Durrant, *Ohio Nat.*, vi, 1906, p. 528, f. 1 b.
(*Otocorys alpestris*.)
11. *similis* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 395. *Nom. nud.*
(*Sylvia suecica*.)
31. *subangulatus* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 168, Pl. 5, f. 3.
(*Tanagra cana*.)
32. *subhastatus* Durrant, *Ohio Nat.*, vi, 1906, p. 527, f. 1 a.
(*Pipilo maculatus*.)
33. *sucinaceus* Kellogg, *New Mallophaga*, ii, 1896, p. 514, Pl. 70, f. 2.
(*Empidonax difficilis*.)
12. *sulphureus* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 442.
(*Oriolus galbula*) = *dolichocephalus* Scopoli.
34. *thoracicus* Packard, *Amer. Nat.*, iv, 1870, p. 94, Pl. 1, f. 5.
(*Emberiza nivalis*.)
13. *thoracicus* Piaget, *Pédiculines*, 1880, p. 606, Pl. 51, f. 1.
(*Centropus eurycercus*) *nec* Packard, 1870 =
tinctus Harrison.
35. **tinctus* *Nom. nov.* for *thoracicus* Piaget, 1880, *nec* Packard, 1870.
(*Centropus eurycercus*) [13].

Genus 23. **Trochiloecetes** Paine and Mann.

1. *doratophorus* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 43, Pl. 5, f. 4.
(*Selasphorus flammula*.)
2. *emeliae* Paine and Mann, *Psyche*, xx, 1913, p. 21.
(*Thalurania furcatoides*.)
3. *prominens* Kell. & Chap., *New Mallophaga*, iii, 1899, p. 137, Pl. 9, f. 5.
(*Calypte costae*.)

Super-family ii. ISCHNOCERA Kellogg.

Family vii. **Trichodectidae** Burmeister.

Genus 24. **Trichodectes** Nitzsch.

1. *acuticeps* Neumann, *Arch. Parasit.*, v, 1902, p. 601.
(*Viverra genetta*.)
2. *acutirostris* Stobbe, *Sitz. Ges. naturf. Freunde*, 1913, p. 378, f. 7.
(*Herpestes galera*.)
1. *antilopes* Gurlt, *Arch. f. Naturgesch.*, xiii, 1857, p. 278. *Nom. nud.*

3. **appendiculatus** Piaget, *Pédiculines*, 1880, p. 403, Pl. 33, f. 1.
(*Antilope subgutturosa*.)
4. **armatus** Neumann, *Arch. Parasit.*, 1913, p. 608, f. 1-4.
(*Eriodes arachnoides*.)
5. **aucheniae-lamae** 'Torreggiani, 1910.' Quoted in Neveu-Lemaire,
Parasit. Anim. Dom., Paris, 1912, p. 1108.
(*Auchenia llama*.) (?=*breviceps* Rudow. L. H.)
6. **baculus** Schömmmer, *Über d. Mallophagen*, 1913, p. 26.
(*Capra hircus*.)
7. **barbarae** Neumann, *Arch. Parasit.*, 1913, p. 616, f. 9.
(*Galictis barbara*.)
8. **bovis** Linné, *Syst. Nat.*, 1758, p. 611.
(*Bos taurus*) [32, 37].
9. **breviceps** Rudow, *Zeit. f. ges. Nat.*, xxii, 1866, p. 110, Pl. 5, f. 2.
(*Auchenia llama*.)
2. **caballi** Leach MS., in Denny, *List. Brit. An.*, 1852, p. 30.
(*Equus caballus*.) *Nom. nud.*, = *pilosus* Giebel.
3. **californicus** Chapman, *Ent. News*, viii, 1897, p. 186, Pl. 9, f. 1.
(*Perognathus* sp.) = *T. geomydis* Osborn.
10. **canis** Degeer, *Mém. Hist. Ins.*, vii, 1778, p. 81, Pl. 4, f. 16.
(*Canis familiaris*) [14, 23].
11. **caprae** Gurlt, *Mag. f. ges. Thierheilk.*, ix, 1843, p. 3, Pl. 1, f. 2.
(*Capra hircus*) [5, 6, 35].
4. **caprae** Packard, *Amer. Nat.*, iv, 1870, p. 96, f. 28, *nec* Gurlt, 1843.
(*Capra hircus*.)
12. **castoris** Osborn, *Bull. Div. Ent.*, 1896, p. 241, f. 149.
(*Castor castoris*.)
13. **cervi** Linné, *Syst. Nat.* 1758, p. 611.
(*Cervus elaphus*) [18, 34].
5. **climacium** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 292.
(*Capra hircus*) = *T. caprae* Gurlt.
6. **climax** Nitzsch, in Gervais, *Hist. Ins. Apt.*, iii, 1847, p. 313, Pl. 48, f. 3.
(*Capra hircus*) = *T. caprae* Gurlt.
14. **colobi** Kell., *Schwed. Zool. Exp. Kilimandjaro*, 1910, p. 44, Pl. 7, f. 1.
(*Colobus caudatus*.)
15. **cornutus** Gervais, *Hist. Ins. Apt.*, iii, 1847, p. 315, Pl. 49, f. 10.
(*Antilope dorcas*, *A. arabica*) [17].
7. **crassipes** Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 111, Pl. 7, f. 1.
(*Capra angoriensis*) = *T. limbatus* Gervais.
8. **crassus** Nitzsch, in Denny, *Monog. Anoplur. Brit.*, 1842, p. 187,
Pl. 17, f. 3.
(*Meles taxus*) = *T. melis* Fabricius.

9. *crenelatus* Piaget, see *Damalinia*.
10. *diacanthus* Ehrenberg, see *Eutrichophilus*.
11. *dubius* Nitzsch, in Denny, *Monog. Anoplur. Brit.*, 1842, p. 190,
Pl. 17, f. 2.
(*Mustela vulgaris*) = *T. mustelae* Schrank.
16. *equi* Linné, *Syst. Nat.*, 1758, p. 612.
(*Equus caballus*) [25, 28, 38].
12. *equi* Denny, *Monog. Anoplur. Brit.*, 1842, p. 191, Pl. 17, f. 7.
(*Equus caballus*) nec Linné, 1758, = *T. pilosus* Giebel.
17. *exilis* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 87.
(*Lutra vulgaris*.)
18. *expansus* Dugès, *Mem. Soc. Ant. Alzate*, xviii, 1902, p. 186.
(*Geomys* sp.) Sub-species of *T. geomydis* Osborn.
19. *forficula* Piaget, *Pédictulines*, 1880, p. 400, Pl. 32, f. 7.
(*Cervus porcinus*.)
20. *gastrodes* Cummings, *Ann. Mag. Nat. Hist.*, xvii, 1916, p. 94, ff.
(*Choloepus didactylus*.)
21. *geomydis* Osborn, *Bull. Div. Ent.*, 1891, p. 54, f. 42.
(*Geomys bursarius*, *Thomomys bottae*) [3].
22. *hermsi* Kellogg and Nakayama, *Psyche*, xxii, 1915, p. 34.
(*Capra hircus*.)
13. *hystrius* 'Burmeister.' *Nom. nud.* quoted in Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 280.
23. *inaequalemaculatus* Piaget, *Pédictulines*, Suppl., 1885, p. 88, Pl. 9,
f. 7. (*Auchenia guanaco*.)
24. *inaequalis* Piaget, *Pédictulines*, 1880, p. 388, Pl. 32, f. 3.
(*Herpestes ichneumon*.)
25. *interruptofasciatus* Kellogg and Ferris, *Stanford Univ. Publ.*, 1915,
p. 61, Pl. 7, f. 1-3.
(*Taxidea taxus*.)
14. *latus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 436.
(*Canis familiaris*) = *T. canis* Degeer.
15. *leporis* Ponton, *Month. Micr. Journ.*, vi, 1871, p. 8, Pl. 91, f. 4.
(A straggling *Colpocephalum*, unrecognisable, discard. L. H.)
26. *limbatus* Gervais, *Hist. Ins. Apt.*, iii, 1847, p. 313, Pl. 48, f. 4.
(*Capra angoriensis*) [7, 19, 26].
16. *lipeuroides* Mégnin, see *Eutrichophilus*.
17. *longiceps* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, Pl. 6, f. 1.
(*Antilope arabica*) = *T. cornutus* Gervais.

18. *longicornis* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 436.
(*Cervus elaphus*) = *T. cervi* Linné.
27. *madagascariensis* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 64, f. 38-39.
(*Eupleres goudoti*.)
19. *major* Piaget, *Pédiculines*, Suppl., 1885, p. 86.
(*Capra angoriensis*) = *T. limbatus* Gervais.
28. *mambricus* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 111, Pl. 6, f. 2.
(*Hircus mambricus*.)
29. *matschiei* Stobbe, *Sitz. Ges. nat. Freunde*, viii, 1913, p. 372.
(*Lutra matschiei*.)
30. *melis* Fabricius, *Syst. Antl.*, 1805, p. 341.
(*Meles taxus*) [8].
31. *mephitidis* Packard, 6th Ann. Rept U.S. Geol. Surv., 1872, p. 732,
f. 60. (*Mephitis mephitis*) [22].
20. *mexicanus* Rudow, see *Eutrichophilus*.
32. *meyeri* Taschenberg, *Nova Acta*, xlv, 1882, p. 222, Pl. 7, f. 13.
(Host unknown.)
21. *micropus* Giebel, *Ins. Epiz.*, 1874, p. 54, = *T. vulpis* Denny.
(*Canis vulpes*.)
22. *minutus* Paine, *Ent. News*, xxiii, 1912, p. 439.
(*Putoris novaeboracensis*) = *T. mephitidis* Packard.
33. *mjöbergi* Stobbe, *Sitz. Ges. nat. Freunde*, viii, 1913, p. 379, f. 8.
(*Mycticebus borneanus*.)
34. *mungos* Stobbe, *Sitz. Ges. nat. Freunde*, viii, 1913, p. 375, f. 5.
(*Herpestes affinis*, *H. badius*.)
35. *mustelae* Schrank, *Faun. Boic.*, 1803, p. 186.
(*Mustela vulgaris*) [11, 29, 31].
36. *nasuatis* Osborn, *Ohio Nat.*, ii, 1902, p. 178, Pl. 11, f. 3.
(*Nasua narica*.)
37. *neumanni* Stobbe, *Ent. Rundschau*, 1913, p. 112.
(*Dendrohyrax neumanni*.)
38. *ocellatus* Piaget, *Pédiculines*, 1880, p. 398.
(*Equus burchelli*.)
39. *octomaculatus* Paine, *Ent. News*, xxiii, 1912, p. 438.
(*Procyon psora*) [27, 39].
23. *octopunctatus* Leach MS., in Denny, *List. Brit. An.*, 1852, p. 29.
(*Canis familiaris*.) *Nom. nud.* = *T. canis* Degeer.
40. *ovis* Linné, *Syst. Nat.*, 1758, p. 611.
(*Ovis aries*) [24, 36].
24. *ovisarietis* Schrank, *Faun. Boic.*, 1803, p. 187, = *T. ovis* Linné.
41. *painei* Kellogg and Nakayama, *Psyche*, xxi, 1914, p. 90, f. 1.
(Host unknown. ? Goat.)

42. *pallidus* Piaget, *Pédiculines*, 1880, p. 405, Pl. 32, f. 9.
(*Nasua fusca*.)
43. *parallelus* Osborn, *Bull. Div. Ent.*, 1896, p. 240, f. 148.
(*Cariacus virginianus*.)
25. *parumpilosus* Piaget, *Pédiculines*, 1880, p. 397, Pl. 32, f. 5.
(*Equus caballus*) = *T. equi* Linné.
26. *penicillatus* Piaget, *Pédiculines*, 1880, p. 406, Pl. 32, f. 10.
(*Capra angoriensis*.) Straggler on *Petrogale penicillata*) = *T. limbatus* Gervais.
44. *peregrinus* Taschenberg, *Nova Acta*, xliv, 1882, p. 218, Pl. 7, f. 10.
(*Ovis aries*. Straggler on *Mycteria crumenifera*.)
45. *pilosus* Giebel, *Ins. Epiz.*, 1874, p. 59.
(*Equus caballus*, *E. asinus*) [2, 12].
46. *pinguis* Nitzsch, in Burmeister, *Handbuch*, ii. 1838, p. 435.
(*Ursus arctos*.)
27. *procyonis* Neumann, *Arch. Parasit.*, 1913, p. 626, f. 14, *nom. nov.*
for *T. vulpis* Taschenberg, *nec* Denny, = *T. octomaculatus* Paine.
28. *pubescens* 'Railliet,' error in Macqueen's *Neumann's Parasites*
(1905) for *T. vestitus* Railliet, q.v.
47. *punctum* Piaget, *Pédiculines*, Suppl., 1885, p. 87, Pl. 9, f. 6.
(*Lamprotornis* sp. Straggler. L. H.)
29. *pusillus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 88.
(*Mustela vulgaris*) = *T. mustelae* Schrank.
48. *quadriceps* Chapman, *Ent. News*, viii, 1897, p. 185, Pl. 9, f. 2.
(*Urocyon virginianus*.)
30. *quadricornis* Gay, *Il Medico Veterinario*, xxv, 1878, p. 494.
(*Equus caballus*.) A Psocid, discard.
49. *rammei* Stobbe, *Sitz. Ges. nat. Freunde*, viii, 1913, p. 377, f. 6.
(*Herpestes galera*.)
31. *retusus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 436.
(*Mustela* spp.) = *T. mustelae* Schrank.
50. *riveti* Neumann, *Arch. Parasit.*, 1913, p. 614, f. 7, 8.
(*Canis magellanicus*.)
32. *scalaris* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 436.
(*Bos taurus*) = *T. bovis* Linné.
51. *semiarmatus* Neumann, *Arch. Parasit.*, 1913, p. 611, f. 5.
(*Mycetes fuscus*.)
33. *setosus* Giebel, see *Eutrichophilus*.
34. *similis* Denny, *Monog. Anopl. Brit.*, 1842, p. 194, Pl. 17, f. 6.
(*Cervus elaphus*) = *T. cervi* Linné.

35. *solidus* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 112, Pl. 7, f. 2.
(Goat, Guinea) = *T. caprae* Gurlt.
36. *sphaerocephalus* Olfers, *De vegetativis, etc.*, 1816, p. 85.
(*Ovis aries*) = *T. ovis* Linné.
52. *subrostratus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 436.
(*Felis domestica*.)
53. *tarandi* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 66.
(*Cervus tarandus*.)
54. *tarsatus* Piaget, *Pédiculines*, 1880, p. 399. Sub-species of *T. equi* Linné. (Horse, Java.)
37. *tauri* Olfers, *De vegetativis, etc.*, 1816, p. 85. *Nom. nud.* = *T. bovis* Linné.
55. *thoracicus* Osborn, *Ohio Nat.*, ii, 1902, p. 178, Pl. 11, f. 4.
(*Bassaris astuta*.)
56. *tibialis* Piaget, *Pédiculines*, 1880, p. 399, Pl. 32, f. 6.
(*Cervus dama*.)
57. *tigris* Ponton, *Month. Micr. Journ.*, xxi, 1870, p. 147.
(*Felis tigris*.)
58. *truncatus* Piaget, *Pédiculines*, 1880, p. 393. (Goat, Java.)
59. *univirgatus* Neumann, *Arch. Parasit.*, 1913, p. 612, f. 6.
(*Hyrax* sp.)
38. *vestitus* Railliet, *Tr. Zool. Méd. Agr.*, 1895, p. 835.
(*Equus caballus*) = *T. equi* Linné.
60. *viverriculae* Stobbe, *Sitz. Ges. nat. Freunde*, viii, 1913, p. 375, f. 4.
(*Viverricula rasse*.)
61. *vosseleri* Stobbe, *Sitz. Ges. nat. Freunde*, viii, 1913, p. 371, f. 2.
(*Potamochoerus demunis*.)
62. *vulpis* Denny, *Monog. Anopl. Brit.*, 1842, p. 189, Pl. 17, f. 5.
(*Canis vulpes*) [21].
39. *vulpis* Taschenberg, *Nova Acta*, 1882, p. 207, *nec* Denny, 1842.
(*Procyon lotor*) = *T. octomaculatus* Paine.
63. *zorillae* Stobbe, *Sitz. Ges. nat. Freunde*, 1913, p. 374, f. 3.
(*Zorilla lybica*.)

Genus 25. *Damalinia* Mjöberg.

1. *crenelata* Piaget, *Pédiculines*, 1880, p. 402, Pl. 32, f. 8.
(*Antilope albifrons*.)

Genus 26. *Eutrichophilus* Mjöberg.

1. *cercolabes* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 72, Pl. 4, f. 7, 8
(*Cercolabes prehensilis*.)
2. *coendu* Stobbe, *Deutsch. Ent. Zeit.*, 1913, p. 566, f. 5.
(*Coendu mexicanus*.)

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3. **cordiceps** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 75, Pl. 4, f. 5, 6.
(*Cercolabes prehensilis*.)
4. **diacanthus** Ehrenberg, *Symbolae Physicae*, Hyrax, 1828.
(*Hyrax syriacus*.)
5. **lipeuroides** Mégnin, *Le Naturaliste*, 1884, No. 62, p. 494.
(*Cervus mexicanus*) [1, 2].
1. **mazama** Stobbe, *Deutsch. Ent. Zeit.*, 1913, p. 562, *nom. nov.* for
E. mexicanus Mjöberg, *nec* Rudow.
(*Cervus mexicanus*) = *T. lipeuroides* Mégnin.
6. **mexicanus** Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 109, Pl. 5, f. 1.
(*Cercolabes mexicanus*.)
2. **mexicanus** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 79, *nec* Rudow, 1866.
(*Cervus mexicanus*) = *T. lipeuroides* Mégnin.
7. **minor** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 77, Pl. 4, f. 3.
(*Cercolabes prehensilis*.)
8. **setosus** Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 86.
(*Erethizon dorsatum*.)

Genus 27. **Eurytrichodectes** Stobbe.

1. **paradoxus** Stobbe, *Ent. Rundschau*, xxx, 1913, p. 111, f. 3-5.
(*Dendrohyrax* sp.)

Genus 28. **Trichophilopterus** Stobbe.

1. **babakotophilus** Stobbe, *Ent. Rundschau*, xxx, 1913, p. 105, f. 1, 2.
(*Lichonotus indri*.)

Family viii. **Nesiotinidae** Harrison.

Genus 29. **Nesiotinus** Kellogg.

1. **demersus** Kellogg, *Biol. Bull.*, v, 1903, p. 90, f. 3.
(*Aptenodytes longirostris*.)

Family ix. **Philopteridae** Burmeister.

Sub-family e. **Goniodinae** [Mjöberg].

Genus 30. **Goniodes** Nitzsch.

1. **aberrans** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 157, Pl. 4, f. 4, 5.
(*Tinamus robustus*.)
2. **aculeatus** Piaget, *Pédiculines*, 1880, p. 266, Pl. 22, f. 2.
(*Momotus lessoni*. Straggler. L. H.)
1. **agonus** Nitzsch, see *Kelloggia*.
2. **aliceps** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 389.
(*Crypturus tao*) = *G. oniscus* ♂.
3. **alienus** Giebel, see *Goniocotes*.

3. **assimilis** Piaget, *Pédiculines*, 1880, p. 248.
(*Francolinus capensis*.)
4. **bankiva** Piaget, *Pédiculines*, 1880, p. 269. Sub-species of *G. dissimilis*.
(*Gallus bankiva*.)
5. **bicolor** Rudow, *Beiträge*, 1869, p. 26.
(*Penelope marail*) [28].
4. **bicuspidatus** Piaget, *Pédiculines*, 1880, p. 278, Pl. 23, f. 3.
(*Tragopan satyrus*) = *G. spinicornis* Nitzsch.
5. **bituberculatus** Rudow, *Beiträge*, 1869, p. 27.
(*Tetrao medius*) = *G. chelicornis* Nitzsch.
6. **breviantennatus** Piaget, *Pédiculines*, Suppl., 1885, p. 50, Pl. 5, f. 8.
(*Caccabis chukar*.)
6. **brevipes** Giebel, see *Austrogoniodes*.
7. **burnetti** Packard, see *Lipeurus*.
7. **cervinicornis** Giebel, *Ins. Epiz.*, 1874, p. 199.
(*Phasianus nycthemerus*.)
8. **chelicornis** Nitzsch, in Lyonet, *Mém. Mus.*, xviii, 1829, p. 268, Pl. 4,
f. 7. (*Tetrao urogallus*) [5].
8. **clypeiceps** Giebel, see *Goniocotes*.
9. **colchicus** Denny, *Anoplur. Brit.*, 1842, p. 158, Pl. 12, f. 4.
(*Phasianus colchicus*, etc.)
9. **colchici** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 388, *nec* Denny,
1842, = *Goniocotes chrysocephalus* Giebel.
10. **complanatus** Piaget, *Pédiculines*, 1880, p. 262, Pl. 21, f. 8.
(*Tinamus obsoletus*, *T. variegatus*) = ♀ *G.*
spinosus Piaget.
11. **coniceps** Taschenberg, see *Ornicholax*.
10. **coronatus** Giebel, *Ins. Epiz.*, 1874, p. 302.
(*Crypturus coronatus*) [24, 34].
11. **cornutus** Rudow, *Beiträge*, 1869, p. 26.
(*Tribonyx ventralis*. Straggler. L. H.)
12. **corpulentus** Kellogg and Mann, *Ent. News*, xxiii, 1912, p. 14.
(*Canachites canadensis*.)
12. **cupido** Giebel, in Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 482.
(*Tetrao cupido*) = *G. tetraonis* Denny.
13. **curvicornis** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 388.
(*Argusianus giganteus (argus)*.)
14. **damicornis** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 119.
(*Columba palumbus*, *C. livia*.)
13. **descrepans** 'Kellogg and Paine,' quoted in Kellogg and Mann, *Ent.*
News, xxiii, 1912, p. 14.
(*Lagopus lagopus*.) Cannot trace description. L. H.

14. *dilatatus* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 479.
(*Tinamus bannaquira*) = *G. rotundatus* Rudow.
15. *diomedae* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308. *Nom. nud.*
15. *dispar* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 432.
(*Perdix cinerea* (*perdix*).)
16. *dissimilis* Nitzsch, in Denny, *Anoplur. Brit.*, 1842, p. 162, Pl. 12, f. 6.
(*Gallus domesticus*.)
16. *diversus* Rudow, *Beiträge*, 1869, p. 28, = *G. eximius* Rudow.
(*Penelope nigra*.)
17. *elongatus* Piaget, *Pédiculines*, 1880, p. 281, Pl. 23, f. 5.
(*Coturnix communis*) [30, 35].
18. *eurygaster* Piaget, *Pédiculines*, Suppl., 1885, p. 53, Pl. 6, f. 1.
(*Lophophorus impeyanus*.)
19. *excavatus* Piaget, *Pédiculines*, 1880, p. 280, Pl. 23, f. 4.
(*Tinamus canus*.)
20. *eximius* Rudow, *Beiträge*, 1869, p. 25.
(*Oreophasis derbyana*, *Penelope nigra*) [16, 37].
17. *falcicornis* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 432.
(*Pavo cristatus*) = *G. pavonis* Linné.
21. *fasciatum* Piaget, *Pédiculines*, 1880, p. 673, Pl. 56, f. 3.
(*Treron vernans*, *Eutrygon terrestris*.)
22. *fimbriatus* Neumann, *Arch. Parasit.*, xv, 1913, p. 629, f. 19, 20.
(Host unknown.)
23. *flaviceps* Rudow, *Beiträge*, 1869, p. 28.
(*Perdix rubra*) [42] = *Caccabis rufa*.
18. *flavus* Rudow, see *Goniocotes*.
19. *gregarius* Nitzsch, see *Goniocotes*.
20. *halie* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308. *Nom. nud.*
21. *heterocerus* Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 195.
(*Tetrao tetrrix*) = *G. tetraonis* Linné.
22. *homocerus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 306.
(*Tetrao tetrrix*.) *Nom. nud.*
24. *intermedius* Neumann, *Arch. Parasit.*, xv, 1913, p. 627, f. 15-18.
(*Pucrasia darwini*.)
23. *isogenus* Nitzsch, see *Goniocotes*.
24. *laevis* Piaget, *Pédiculines*, 1880, p. 673, Pl. 56, f. 2.
(*Cryptonyx coronatus*) = *G. coronatus* Rudow.
25. *laticeps* Piaget, *Pédiculines*, 1880, p. 259, Pl. 21, f. 6.
(*Tinamus julius*.)
25. *latifasciatus* Piaget, *Pédiculines*, 1880, p. 269, Pl. 22, f. 4.
(*Euplocamus (Gennaeus) ignitus*) = *G. longus* Rudow.
- 25 a. *lativentris* Uchida, *Annotat. Zool. Jap.*, ix, 1916, p. 81, figs. 1 and 2.

- 25b. *lativentris*, v. *major* Uchida, *Annotat. Zool. Japon.*, ix, 1916, p. 84, fig. 3. Invalidated by *major* Piaget.
26. *latus* Piaget, *Pédiculines*, 1880, p. 672, Pl. 55, f. 9.
(*Goura coronata*, *G. victorlae*.)
26. *lipogonus* Nitzsch, see *Ornicholax*.
27. *longipes* Giebel, *Ins. Epiz.*, 1874, p. 190.
(*Tinamus tao*) = *G. oniscus* Nitzsch *juv*.
28. *longipes* Piaget, *Pédiculines*, 1880, p. 253, Pl. 20, f. 7.
(*Crax galeata*) = *G. bicolor* Rudow.
29. *longipilosus* Giebel, *Zeit. f. ges. Nat.*, lii, 1879, p. 475.
(*Seleucides alba*.) *Nom. nud.*
27. *longus* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 481.
(*Euplocamus (Gennaeus) ignitus*) [25].
30. *longus* Le Souëf, *Vict. Naturalist*, xix, 1902, p. 90, *nec* Rudow, 1870.
(*Excalfactoria lineata*) = *G. elongatus* Piaget.
28. *major* Piaget, *Pédiculines*, 1880, p. 274, Pl. 24, f. 1.
(*Crossoptilon auritum*.)
31. *major* Neumann, *Bull. Soc. Toulouse*, xxiv, 1890, p. 64, *nec* Piaget, 1880. (*Microglossus alecto*.)
29. *mammillatus* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 483.
(*Callipepla californica*.)
30. *megacerus* Kell. and Paine, *Rec. Ind. Mus.*, x, 1914, p. 227, Pl. xv, f. 8. (*Lophophorus impeyanus*.)
31. *meleagridis* Linné, *Syst. Nat.*, 1758, p. 613.
(*Meleagris gallopavo*) [39, 40].
32. *menadensis* Piaget, *Pédiculines*, 1880, p. 672, Pl. 56, f. 1.
(*Macropygia menadensis*.)
32. *mephitidis* Packard, see *Trichodectes*.
33. *merriamanus* Packard, *Ann. Rept. U.S. Geol. Surv.*, 1872, p. 731.
(*Tetrao richardsoni*.)
34. *minor* Piaget, *Pédiculines*, 1880, p. 248. Sub-species of *G. dispar* Nitzsch. (*Perdix californica*.)
33. *minor* Piaget, *Pédiculines*, 1880, p. 256, Pl. 21, f. 3, *nec* 1880, p. 248.
(*Columba* spp.) = *piageti* Johnston and Harrison.
35. *minutus* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 155, Pl. 4, f. 1, 2.
(*Tinamus robustus*.)
36. *neumannia* Kell. and Paine, *Rec. Ind. Mus.*, x, 1914, p. 221, Pl. xv, f. 6, 7. (*Argusianus argus*.)
37. *numidae* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 102.
(*Numida ptilorhyncha*.)
38. *numidianus* Denny, *Anoplur. Brit.*, 1842, p. 163, Pl. 13, f. 7.
(*Numida meleagris*.)

34. *obscurus* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 389. *Nom. nud.*
(*Crypturus coronatus*) = *G. coronatus* Giebel.
39. *ocrea* Piaget, *Pédiculines*, 1880, p. 252, Pl. 20, f. 6.
(*Megapodius rubripes*.)
40. *oniscus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 388.
(*Tinamus tao*) [2, 27].
41. *ortygis* Denny, *Anoplur. Brit.*, 1842, p. 158, Pl. 23, f. 6.
(*Ortyx virginianus*.)
42. *pallidus* Giebel, *Zeit. f. ges. Nat.*, xlix, 1877, p. 530.
(*Euplocamus (Gennaeus) erythrophthalmus*.)
35. *paradoxus* Burmeister, *Handbuch*, ii, 1839, p. 432. *Nom. nud.*
(*Coturnix communis (coturnix)*) = *G. elongatus* Piaget.
43. *parviceps* Piaget, *Pédiculines*, 1880, p. 277, Pl. 23, f. 2.
(*Pavo cristatus*.)
44. *parvulus* Taschenberg, *Nova Acta*, xliv, 1882, p. 38, Pl. 1, f. 4.
(*Tinamus robustus*.)
45. *pavonis* Linné, *Syst. Nat.*, 1758, p. 613.
(*Pavo cristatus*) [17, 41].
46. *pennaticeps* Paine and Mann, *Psyche*, xx, 1913, p. 16, f. 3.
(*Anthus lutescens*. Straggler from *Tinamou*.
L. H.)
47. *piageti* Johnston and Harrison, *Proc. Roy. Soc. Qsld*, xxiv, 1912,
p. 19. (*Columba* spp.) *Nom. nov.* for *G. minor* Piaget,
1880, p. 256, nec p. 248 [33].
48. *processus* Kellogg and Paine, *Rec. Ind. Mus.*, x, 1914, p. 226, Pl. xv,
f. 9. (*Arboricola rufigularis*.)
36. *pusillus* Nitzsch, see *Goniocotes*.
49. *retractus* Le Souëf, *Vict. Nat.*, xix, 1902, p. 90.
(*Synolicus australis*.)
50. *rotundatus* Rudow, *Beiträge*, 1869, p. 22.
(*Tinamus (Rhynchotus) rufescens*) [14].
37. *rotundus* Rudow, *Beiträge*, p. 28 = *G. eximius* Rudow.
(*Penelope nigra*.)
51. *sectus* Kellogg and Paine, *Rec. Ind. Mus.*, x, 1914, p. 224, f. 1, 2.
(*Catreus wallichii*.)
52. *securiger* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 387.
(*Perdix petrosa*.)
53. *setosus* Piaget, *Pédiculines*, 1880, p. 257.
(*Treron abyssinicum*.)
38. *setosus* Piaget, *Pédiculines*, 1880, p. 263, see *Ornicholax*.
54. *sexpunctatus* Piaget, *Pédiculines*, Suppl., 1885, p. 51, Pl. 5, f. 9.
(*Rhynchotus rufescens*.)

55. *spinicornis* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 389.
(*Tragopan satyrus*, *T. hastingi*) [4].
56. *spinosus* Piaget, *Pédiculines*, 1880, p. 261, Pl. 21, f. 7.
(*Tinamus julius*, *T. robustus*) [10].
39. *stylifer* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 432.
(*Meleagris gallopavo*) = *G. meleagris* Linné.
40. *styliferum* Taschenberg, *Die Mallophagen*, 1882, p. 47, emend. for
stylifer Nitzsch = *G. meleagris* Linné.
57. *subdilatus* Piaget, *Pédiculines*, 1880, p. 257, Pl. 21, f. 4.
(*Tinamus* (*Crypturus*) *variegatus*.)
58. *suborbiculatus* Piaget, *Tijds. v. Ent.*, xxxiii, 1888, p. 237, Pl. 9, f. 2.
(*Goura victoriae*.)
41. *tetragonocephalus* Olfers, *De vegetativis, etc.*, 1816, p. 90.
(*Pavo cristatus*) = *G. pavonis* Linné.
59. *tetraonis* Linné, *Syst. Nat.*, 1758, p. 614.
(*Tetrao tetrix*) [12, 21].
42. *truncatus* Giebel, *Ins. Epiz.*, 1874, p. 194 = *G. flaviceps* Rudow.
(*Perdix rubra*.)

Genus 31. *Goniocotes* Burmeister.

1. *abdominalis* Piaget, *Pédiculines*, 1880, p. 238, Pl. 20, f. 9.
(*Gallus domesticus* (*gallus*)). Straggler from
Numida) = *G. gigas* Tasch.
2. *abnormis* Kellogg, see *Paragoniocotes*.
1. *aegyptiacus* Kellogg and Paine, *Bull. Ent. Res.*, 1911, p. 148, Pl. 5.
f. 2. ('Blue pigeon.')
2. *affinis* Taschenberg, *Die Mallophagen*, 1882, p. 97, Pl. 2, f. 4.
(*Carpophaga rufigastra*, *Myristicivora bicolor*.)
3. *agonus* Nitzsch, see *Kelloggia*.
3. *alatofasciatus* Piaget, *Pédiculines*, Suppl., 1885, p. 46, Pl. 5, f. 5.
(*Rhyncotus rufescens*.)
4. *alatus* Piaget, *Pédiculines*, Suppl. 1885, p. 45, Pl. 5, f. 4.
(*Caccabis chukar*.)
5. *alienus* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 389.
(*Crypturus macrurus*.)
6. *astrocephalus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 431.
(*Coturnix communis* (*coturnix*)) (*asterocephalus*
in *Ins. Epiz.* L. H.) [12].
7. *bidentatus* Scopoli, *Ent. Carn.*, 1763, p. 385.
(*Columba palumbus*) [7].
4. *bifasciatus* Piaget, see *Austrogoniodes*.

8. **bisetosus** Piaget, *Pédiculines*, 1880, p. 228, Pl. 19, f. 3.
(*Geotrygon linearis*.)
5. **burnetti** Packard, see *Lipeurus*.
9. **candidus** Piaget, *Pédiculines*, Suppl., p. 40, Pl. 4, f. 9.
(*Ptilopus cinctus*.)
10. **carpophagae** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 478.
(*Carpophaga* spp.)
6. **chelicornis** Nitzsch, see *Goniodes*.
11. **chinensis** Kellogg and Chapman, *Journ. N.Y. Ent. Soc.*, x, 1902,
p. 160, Pl. 13, f. 5.
(*Turtur chinensis*.)
12. **chrysocephalus** Giebel, *Ins. Epiz.*, 1874, p. 189.
(*Phasianus* spp.) [12, 22].
13. **clypeiceps** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 389.
(*Crypturus cinereus*.)
7. **compar** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 431.
(*Columba* spp.) = *G. bidentatus* Scopoli.
8. **coronatus** Giebel, see *Goniodes*.
14. **coxatus** Piaget, *Pédiculines*, Suppl., p. 43, Pl. 5, f. 1.
(*Tinamus solitarius*.)
15. **crassipes** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 154, Pl. 3, f. 7.
(*Talegallus cuvieri*.)
16. **creber** Kellogg, *New Mallophaga*, ii, 1896, p. 510, Pl. 69, f. 3.
(*Phasianus nycthemerus*.)
17. **curtus** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 432.
(*Opisthocomus cristatus* (*hoazin*).)
9. **dilatatus** Rudow, see *Goniodes*.
18. **diplogonus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 389.
(*Tragopan satyrus*.)
19. **discogaster** Taschenberg, *Die Mallophagen*, 1882, p. 86, Pl. 2, f. 12.
(*Megapodius freycineti*.)
20. **eurygaster** Piaget, *Pédiculines*, Suppl., 1885, p. 43, Pl. 5, f. 2.
(*Oreoperdix crudigularis*.)
10. **fasciatus** Piaget, see *Paragoniocotes*.
21. **fissus** Rudow, *Beiträge*, 1869, p. 23.
(*Talegallus lathamii*.)
22. **flavus** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 486.
(*Phaps chalcoptera*.)
23. **galapagensis** Kellogg and Kuwana, *Proc. Wash. Acad. Sci.*, iv,
1902, p. 481, Pl. 30, f. 5.
(*Nesopelia galapagensis*.)

11. *gallinae* Degeer, *Mém. Hist. Ins.*, vii, 1778, p. 79, Pl. 4, f. 15.
(*Gallus domesticus* (*gallus*)) = *G. hologaster* Nitzsch.
24. *gigas* Taschenberg, *Zeit. f. ges. Nat.*, lii, 1879, p. 104, Pl. 1, f. 10.
(*Gallus domesticus* (*gallus*). Straggler from *Numida*) [1, 14].
12. *gracilis* Taschenberg, *Die Mallophagen*, 1882, p. 71.
(*Coturnix communis* (*coturnix*)) = *G. astrocephalus* Nitzsch.
13. *gregarius* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 388.
(*Perdix afra*) = *G. chrysocephalus* Nitzsch.
25. *guttatus* Taschenberg, *Die Mallophagen*, 1882, p. 89, Pl. 2, f. 14.
(*Penelope cristata*, *P. pipila*.)
26. *haplogonus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 390.
(*Lophophorus impeyanus*.)
27. *hologaster* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 431.
(*Gallus* spp.) [11, 18].
14. *hologaster* Denny, *Anoplur. Brit.*, 1842, p. 153, Pl. 12, f. 4, *nec*
Nitzsch, 1839. (*Gallus domesticus* (*gallus*)) = *G. gigas* Tasch.
28. *indicus* Kell. & Paine, *Rec. Ind. Mus.*, x, 1914, p. 218, Pl. xiv, f. 4.
(*Arboricola rufigularis*.)
29. *irregularis* Rudow, *Beiträge*, 1869, p. 24.
(*Buteo ghisbrechti*. Straggler. L. H.)
30. *isogenos* Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 194.
(*Perdix afra*.)
31. *laticeps* Piaget, *Pédiculines*, Suppl., 1885, p. 41, Pl. 4, f. 11.
(*Epimachus albus*.)
32. *latifasciatus* Piaget, *Tijd. v. Ent.*, xxvi, 1883, p. 157, Pl. 9, f. 4.
(*Agelastus meleagrides*.)
15. *latifasciatus* Piaget, *Pédiculines*, Suppl., 1885, p. 38, Pl. 4, f. 8,
nec 1883. (*Cinclosoma bicolor*.) Straggler from *Quail*. L. H.
16. *latus* Piaget, see *Goniodes*.
17. *longipes* Giebel, see *Goniodes*.
33. *macrocephalus* Taschenberg, *Die Mallophagen*, 1882, p. 87, Pl. 2,
f. 11. (*Talegallus lathamii*.)
- 17a. *macrocephalus* Uchida, *Annotat. Zool. Japon.*, ix, 1916, p. 86, fig. 4.
Invalidated by *macrocephalus* Taschb. = *megalocephalus*
Uchida, q.v.
18. *maculatus* Taschenberg, *Die Mallophagen*, 1882, p. 76, Pl. 3, f. 3.
(*Gallus domesticus* (*gallus*)) = *G. hologaster* Nitzsch.
34. *major* Piaget, *Pédiculines*, 1880, p. 239, Pl. 21, f. 1.
(*Megapodius rubripes*, *Talegallus fuscirostris*.)
19. *major* Neumann, *Bull. Soc. Toulouse*, xxiv, 1890, p. 64, *nec*
Piaget, 1880.
- 34a. *megalocephalus* Uchida, nom. nov. for *macrocephalus* Uchida, q.v.

20. *menadensis* Piaget, see *Goniodes*.
35. *microthorax* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 389.
(*Perdix cinerea* (*perdix*).)
36. *minor* Piaget, *Pédiculines*, 1880, p. 241, Pl. 21, f. 2.
(*Megapodius*, spp.)
37. *nigromaculatus* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 106, f. 62.
(*Numida mitrata*.)
38. *nirmoides* Kell. & Paine, *Rec. Ind. Mus.*, x, 1914, p. 219, Pl. xiv, f. 5.
(*Lophophorus impeyanus*.)
21. *numidae* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308.
(*Numida meleagris*.) *Nom. nud.*
39. *obscurus* Giebel, *Ins. Epiz.*, 1874, p. 188.
(*Perdix rubra* = *Caccabis rufa*.)
22. *ocellatus* Rudow, *Beiträge*, 1869, p. 23 = *G. chrysocephalus* Nitzsch.
(*Nycthemerus lineatus*.)
40. *pallidiflavus* Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 235, Pl. 8, f. 11.
(*Megacephalum maleo*.)
41. *pallidomaculatus* Piaget, *Pédiculines*, 1880, p. 227, Pl. 19, f. 2.
(*Perdix javanica*.)
42. *pellucidus* Piaget, *Pédiculines*, Suppl., 1885, p. 40.
(*Glyciphila fasciata*. Straggler from *Ptilopus* sp. L. H.)
23. *phasiani* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308.
(*Phasianus colchicus*.) *Nom. nud.*
43. *procerus* Taschenberg, *Die Mallophagen*, 1882, p. 96, pl. 2, f. 6.
(*Henicophaps albifrons*.)
44. *pusillus* Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 186.
(*Perdix petrosa*.)
45. *quadraticeps* Piaget, *Pédiculines*, Suppl., 1885, p. 42, Pl. 4, f. 12.
(*Paradisea papuana*. Straggler. L. H.)
46. *rectangulatus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866,
p. 389. (*Pavo cristatus*) [24].
24. *rectangulus* *nom. nud.* in Burmeister, *Handbuch*, ii, 1838, p. 432 =
G. rectangulatus Nitzsch.
47. *robustus* Taschenberg, *Die Mallophagen*, 1882, p. 100.
(*Henicophaps albifrons*.)
48. *rotundatus* Rudow, *Beiträge*, 1869, p. 22. (? = *Goniodes rotundatus*.
L. H.) (*Rhynchotus rufescens*.)
49. *rotundiceps* Piaget, *Pédiculines*, 1880, p. 233.
(*Phasianus* spp.)
50. *sexsetosus* Piaget, *Pédiculines*, Suppl., 1885, p. 48, Pl. 5, f. 7.
(*Rhynchotus rufescens*.)
25. *spiniornis* Giebel, see *Goniodes*.

51. **verrucosus** Taschenberg, *Die Mallophagen*, 1882, p. 94, Pl. 3, f. 4.
(*Crypturus variegatus*.)
26. **waterstoni** Cummings, see *Austrogoniodes*.

Genus 32. **Lipeurus** Nitzsch.

(N.B. The majority of species of the genus *Lipeurus*, as originally constituted, appear in this list under *Esthiopterum*.)

1. **acuminatus** Piaget, *Pédiculines*, Suppl., 1885, p. 70, Pl. 7, f. 6.
(*Excalfactoria australis*.)
2. **angustissimus** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 382.
(*Hemipodius pugnax*.)
3. **antennatus** Piaget, *Pédiculines*, Suppl., 1885, p. 75, Pl. 8, f. 3.
(*Euplocamus swinhoei*.)
4. **appendiculatus** Piaget, *Pédiculines*, 1880, p. 356, Pl. 28, f. 8.
(*Megapodius rubripes*.)
5. **burmeisteri** Taschenberg, *Die Mallophagen*, 1882, p. 170, Pl. 6, f. 4.
(*Lophophorus impeyanus*.)
6. **burnetti** Packard, *Amer. Nat.*, iv, 1870, p. 94, f. 26.
(*Gallus domesticus (gallus)*.)
7. **californicus** Kellogg and Chapman, *New Mallophaga*, iii, 1899, p. 103.
(*Oreortyx pictus*.)
8. **caponis** Linné, *Syst. Nat.*, 1758, p. 614.
(*Gallus domesticus (gallus)*) [9].
9. **castaneus** Piaget, *Pédiculines*, Suppl., 1885, p. 73, Pl. 8, f. 2.
(*Lophophorus impeyanus*.)
10. **cinereus** Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 221.
(*Coturnix communis (coturnix)*.)
11. **concolor** Rudow, *Beiträge*, 1869, p. 33.
(*Crax carunculata*) [6].
12. **crassus** Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 127.
(*Talegallus lathamii*.)
13. **differens** Piaget, *Pédiculines*, Suppl., 1885, p. 76, Pl. 8, f. 4.
(*Agelastus meleagrides*.)
14. **dissimilis** Piaget, *Pédiculines*, 1880, p. 359, Pl. 29, f. 1.
(*Colinus virginianus*.)
15. **docophoroides** Piaget, *Pédiculines*, 1880, p. 357, Pl. 28, f. 9.
(*Callipepla californica*.)
16. **eurycnemis** Taschenberg, *Die Mallophagen*, 1882, p. 171, Pl. 6, f. 5.
(*Lophophorus impeyanus*.)
17. **gallipavonis** Geoffroy, *Hist. Abr. Ins.*, 1762, p. 600.
(*Meleagris gallopavo*.)

18. **hamatus** Piaget, *Pédiculines*, Suppl., 1885, p. 77, Pl. 8, f. 5.
(*Ortyx* sp.)
19. **heterogrammicus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866,
p. 379. (*Perdix cinerea*.)
20. **heterographus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866,
p. 381. (Various *Gallus* spp.) [2a].
21. **himalayensis** Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 123.
(*Tragopan hastingi*.)
22. **inaequalis** Piaget, *Pédiculines*, 1880, p. 355, Pl. 28, f. 7.
(*Megapodius rubripes*.)
23. **intermedius** Piaget, *Pédiculines*, 1880, p. 368, Pl. 29, f. 7.
(*Euplocamus (Gennaeus) ignitus*.)
24. **introducatus** Kellogg, *New Mallophaga*, ii, 1896, p. 500, Pl. 68, f. 1, 5.
(*Phasianus nycthemerus*.)
25. **ischnocephalus** Taschenberg, *Die Mallophagen*, 1882, p. 173, Pl. 6,
f. 8. (*Talegallus lathamii*.)
26. **latifasciatus** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 240, Pl. 8, f. 4.
(*Megapodius freycineti*.)
27. **longus** Piaget, *Pédiculines*, 1880, p. 370, Pl. 29, f. 8.
(*Tragopan satyrus*.)
28. **maculipes** Piaget, *Pédiculines*, 1880, p. 353.
(*Ortyx virginianus*.)
29. **madagascariensis** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 92.
(*Margaroperdix striata*.)
 1. **major** Piaget, *Pédiculines*, 1880, p. 357, nec p. 346.
(*Tinamus canus*.)
 2. **major** Piaget, *Pédiculines*, 1880, p. 362, nec p. 346.
(*Pavo spiciferus*.)
30. **mesopelius** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 379.
(*Phasianus pictus*, *P. nycthemerus*) [7].
31. **meyeri** Taschenberg, *Die Mallophagen*, 1882, p. 175, Pl. 6, f. 1.
(*Talegallus fuscirostris*.)
32. **minhaensis** Kell. & Chap., *Journ. N.Y. Ent. Soc.*, x, 1902, p. 159.
(*Acridothores tristis*. Straggler. L. H.)
33. **nigrolineatus** Piaget, *Pédiculines*, Suppl., 1885, p. 60, Pl. 6, f. 7.
(*Hemipodius dussumieri*.)
34. **numidae** Denny, *Anoplur. Brit.*, 1842, p. 115, Pl. 10, f. 5.
(*Numida meleagris*.)
35. **numidianus** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 87.
(*Numida mitrata*, *N. ptilorhyncha*.)
- 2a. **obscurus** Giebel, *Ins. Epiz.*, 1874, p. 220 = *L. heterographus* Nitzsch.
(*Perdix ruga*.)

3. *ochraceus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxix, 1867, p. 429.
(*Tetrao urogallus*) = *L. tetraonis* Grube.
36. *orthopieuris* Nitzsch, in Giebel, *Ins. Epiz.*, p. 217.
(*Argusianus giganteus* (*argus*).)
37. *oxycephalus* Taschenberg, *Die Mallophagen*, 1882, p. 178, Pl. 6, f. 7.
(*Megapodius freycineti*.)
4. *patatorius* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 307.
Nom. nud. (*Lophophorus impeyanus*.)
5. *polytrapezius* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 434.
(*Meleagris gallopavo*) = *L. gallipavonis* Geoffroy.
38. *postemarginatus* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 147, Pl. 3,
f. 4. (*Ortalis cinereiceps*.)
39. *protervus* Kellogg, *New Mallophaga*, iii, 1899, p. 31, Pl. 3, f. 4.
(*Lagopus lagopus*.)
6. *quadrinus* Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 222.
(*Crax carunculata*) = *L. concolor* Rudow.
7. *robustus* Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 124.
(*Nycthemerus linearis*) = *L. mesopelius* Nitzsch.
40. *rubrifasciatus* Piaget, *Pédiculines*, Suppl., 1885, p. 71, Pl. 7, f. 8.
(*Oreoperdix crudigularis*.)
41. *sinuatus* Taschenberg, *Die Mallophagen*, 1882, p. 180, Pl. 6, f. 6.
(*Megapodius freycineti*.)
8. *stygius* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 307.
(*Lophophorus impeyanus*.) Nom. nud.
42. *tetraonis* Grube, *Middend. Sib. Reise*, i, p. 485, Pl. 2, f. 1.
(*Lagopus albus*, *Tetrao urogallus*) [3].
43. *tsade* Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 241, Pl. 9, f. 5.
(*Megacephalon maleo*.)
44. *unicolor* Piaget, *Pédiculines*, 1880, p. 354, Pl. 28, f. 6.
(*Perdix javanica*.)
9. *variabilis* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 434.
(Various *Gallus* spp.) = *L. caponis* Linné.

Genus 33. **Austrogoniodes** Harrison.

1. *bifasciatus* Piaget, *Pédiculines*, Suppl., 1885, p. 47, Pl. 5, f. 6.
(*Spheniscus demersus*.)
2. *brevipes* Giebel, *Ann. Mag. Nat. Hist.*, xvii, 1876, p. 389.
(*Aptenodytes longirostris*.)
3. *strutheus* Harrison, *Parasitology*, vii, 1915, p. 399, Pl. 27, f. 15.
(*Eudypetes sclateri*.)
4. *waterstoni* Cummings, *Bull. Ent. Res.*, 1914, p. 173, f. 8.
(*Eudypetula minor*.)

Genus 34. **Physconella** Paine.

1. **kelloggi** Paine, *Psyche*, xx, 1913, p. 158, f. 1.
(*Chamaepelia rufipennis*). Straggler from
Tinamou. L. H.)

Genus 35. **Kelloggia** Carriker.

1. **agonus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 387.
(*Crypturus tao*.)
2. **brevipes** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 154, Pl. 9, f. 2.
(*Tinamus robustus*.)

Genus 36. **Ornicholax** Carriker.

1. **coniceps** Taschenberg, *Die Mallophagen*, 1882, p. 63, Pl. 1, f. 8.
(*Crypturus variegatus*.)
2. **lipogonus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 388.
(*Rhynchotus rufescens*) [1].
3. **robustus** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 151, Pl. 9, f. 1.
(*Tinamus robustus*.)
1. **setosus** Piaget, *Pédiculines*, 1880, p. 263, Pl. 21, f. 9.
(*Crypturus variegatus*) = *O. lipogonus* Nitzsch.

Sub-family f. **Philopterinae** Harrison.Genus 37. **Philopterus** Nitzsch.

1. **acanthus** Giebel, *Ins. Epiz.*, 1874, p. 101.
(*Haematopus ostralegus*.)
2. **acuminatus** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 147, Pl. 3, f. 1.
(*Turacus purpureus*.)
3. **acutipectus** Kellogg, *New Mallophaga*, i, 1896, p. 84, Pl. 3, f. 4.
(*Ceratorhina monocerata*, *Fratercula arctica*.)
1. **acutofrontatus** 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, 1857, p. 287.
Nom. nud.
4. ***acutior** *Nom. nov.* for *acutus* Piaget, 1880, *nec* Rudow, 1870.
(*Paradisea aurea*) [2].
5. **acutus** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 463.
(*Scythrops novae-hollandiae*.)
2. **acutus** Piaget, *Pédiculines*, 1880, p. 68, Pl. 5, f. 4, *nec* Rudow, 1870.
(*Paradisea aurea*) = *P. acutior* Harrison.
3. **adustus** Olfers, *De vegetativis, etc.*, 1813, p. 87.
(*Corvus corone*) = *P. corvi* Linné.

4. *adustus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 316.
(*Anser cinereus*) nec Olfers, 1816.
6. *aeneas* Piaget, *Pédiculines*, Suppl., 1885, p. 5, Pl. 1, f. 7.
(*Motacilla alba*.)
7. *affinis* Piaget, *Pédiculines*, 1880, p. 67, Pl. 5, f. 3.
(*Acridotheres cristatellus*.)
8. *agelaii* Osborn, *Bull. Div. Ent.*, 1896, p. 220.
(*Agelalus phoeniceus*.)
9. *alaskensis* Kell. & Kuw., *Proc. Acad. Nat. Sc. Phila.*, 1900, p. 151,
Pl. 7, f. 1. (*Rhodostethia rosea*.)
10. *alatoclypeatus* Piaget, *Pédiculines*, Suppl., 1885, p. 10, Pl. 1, f. 11.
(*Dacelo cinereifrons*.)
11. *albemarlensis* Kellogg and Kuwana, *Proc. Wash. Acad. Sci.*, iv,
1902, p. 465, Pl. 28, f. 5.
(*Camarhynchus affinis*.)
5. *albidus* Piaget, *Pédiculines*, 1880, p. 48, Pl. 3, f. 6.
(*Corvus scapulatus*) = *P. semisignatus* Nitzsch.
6. *albiventris* Scopoli, *Ent. Carn.*, 1763, p. 385 = *P. subflavescens* Geoff.
(*Motacilla*, *Troglodytes*.)
12. *alcedinis* Denny, *Anoplur. Brit.*, 1842, p. 111, Pl. vi, f. 1.
(*Alcedo ispida*) [33].
13. *alienus* Kellogg, *New Mallophaga*, ii, 1896, p. 413, Pl. 65, f. 2.
(*Colaptes auratus*.)
14. *alpinus* Giebel, *Ins. Epiz.*, 1874, p. 105.
(*Tringa (Erolia) alpina*.)
15. *ambiguus* Burmeister, *Handbuch*, ii, 1838, p. 426.
(*Scolopax gallinago*) [8].
7. *ambiguus* Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 119, Pl. 8, f. 12-13.
(*Cassicus cristatus*) nec Burmeister, 1838, =
P. magus Nitzsch.
16. *americanus* Kellogg, *New Mallophaga*, iii, 1899, p. 11, Pl. 1, f. 4, 7.
(*Cinclus mexicanus*.)
8. *amphibolus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 314.
(*Scolopax gallinago*) = *P. ambiguus* Burmeister.
9. *anceps* 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857. *Nom.*
nud. (*Fringilla carduelis*.)
17. *angulatus* Piaget, *Pédiculines*, 1880, p. 21.
(*Buteo vulgaris*.)
10. *angulatus* Piaget, *Pédiculines*, 1880, p. 93, Pl. 8, f. 5, nec p. 21.
(Host unknown. ? *Ibis*. L. H.)
18. *angustoclypeatus* Piaget, *Pédiculines*, 1880, p. 34, Pl. 2, f. 3.
(*Polytelis barrabandi*.)

19. *annulatus* Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 159, Pl. 5, f. 9-10.
(*Oedicnemus crepitans*.)
11. *anseris* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 283. *Nom. nud.*
(*Anser cinereus*.)
20. *antennatus* Piaget, *Pédiculines*, 1880, p. 101, Pl. 8, f. 6.
(*Dromas ardeola*.)
21. *aquilinus* Denny, *Anoplur. Brit.*, 1842, p. 81, Pl. 2, f. 7.
(*Aquila chrysaëtos*, etc.)
22. *aracarae* Coinde, *Bull. Soc. Nat. Moscou*, xxxii, 1859, p. 424.
(*Macrocerus* sp.)
23. *arcticus* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 122.
(*Tringa* sp. ? *maritima*.)
24. *arcunotatus* Neumann, *Bull. Soc. Toulouse*, xxv, 1891, p. 85.
(*Eclectus polychlorus*.)
12. *argulus* Giebel, see *Degeeriella*.
25. *armatus* John. & Harr., *Trans. N. Z. Inst.*, xlv, 1912, p. 370, f. 7-10.
(*Numenius variegatus*.)
26. *assimilis* Piaget, *Pédiculines*, 1880, p. 35, Pl. 2, f. 6.
(*Cacatua* sp. Straggler on *Paradiseus viridis*.)
27. *asturinus* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 112.
(*Astur palumbarius*.)
28. *athene* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 115.
(*Athene noctua*.)
29. *atlanticus* Kellogg, *Brooklyn Science Bull.*, ii, 1914, p. 81.
(*Sterna paradisea*.)
13. *atratus* Nitzsch, in Denny, *Anoplur. Brit.*, 1842, p. 63, Pl. 4, f. 8.
(*Corvus* spp.) = *P. corvi* Linné.
30. *atricolor* Kellogg, *New Mallophaga*, i, 1896, p. 93, Pl. 3, f. 9.
(*Synthliborhampus antiquus*, *Brachyrhampus marmoratus*.)
14. *auratus* Lyonet (De Haan), *Mém. Mus.*, xviii, 1829, see *Degeeriella*.
31. *auratus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 424.
(*Scolopax rusticola*.)
32. *auritus* Scopoli, *Ent. Carn.*, 1763, p. 383.
(*Picus* spp.) [148].
15. *aviator* Evans, see *Trabeculus*.
33. *barbatus* Osborn, *Ohio Nat.*, ii, 1902, p. 201, Pl. 14, f. 1.
(*Scolecophagus carolinus*.)
16. *bassanae* Denny, see *Pectinopygus*.
17. *biarmici* Leach MS., in Denny, *List Brit. An.*, 1852, p. 11. *Nom. nud.* = *P. pari* Denny.

34. **bicolor** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 459.
(*Priocella glacialoides*.)
18. **bifrons** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 116.
(*Merops apiaster*) = *P. meropis* Denny.
35. **bilineatus** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 463.
(*Caccabis rufa*. Straggler. L. H.)
36. **bimaculatus** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 125.
(*Ibis* sp.)
19. **bipunctatus** Giebel, *Ins. Epiz.*, 1874, p. 116 = *P. dentatus* Scopoli.
(*Mergus merganser*.)
37. **bipustulatus** Piaget, *Pédiculines*, 1880, p. 103, Pl. 9, f. 1.
(*Ardea* (*Casmerodius*) *egretta*.) Almost certainly a *Rallicola* L. H.
38. **bisetosus** Piaget, *Pédiculines*, Suppl., 1885, p. 17, Pl. 3, f. 6.
(*Mergus serrator*.)
39. **bisignatus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 362.
(*Plegadis falcinellus*, *Guara alba*) [93].
40. **bituberculatus** Giebel, *Ins. Epiz.*, 1874, p. 90.
(*Edolius bilobus*.)
20. **brachyoti** Leach MS., in Denny, *List Brit. An.*, 1852, p. 13.
(*Strix brachyotus*.) *Nom. nud.* = *P. cursor* Nitzsch.
41. **breviantennatus** Piaget, *Pédiculines*, 1880, p. 108, Pl. 9, f. 9.
(*Sula serrator*.)
21. **breviappendiculatus** Piaget, *Pédiculines*, 1880, p. 112 = *P. gonothorax* Gb. (*Larus fuscus*.)
42. **brevicollis** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 424.
(*Vultur cinereus*) [22, 153, 159].
43. **brevicornis** Giebel, *Ins. Epiz.*, 1874, p. 112.
(*Sterna* spp.)
44. **breviformis** Kell. & Kuw., *Proc. Wash. Acad. Sci.*, iv, 1902, p. 463, Pl. 28, f. 3. (*Progne modesta*.)
22. **brevifrons** Burmeister, *Handbuch*, ii, 1838, p. 424 = *P. brevicollis* N.
(*Cathartes papa*.)
45. **breviloratus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 361.
(*Ciconia argala*.)
23. **brevimaculatus** Giebel, *Ins. Epiz.*, 1874, p. 114 = *P. dentatus* Scopoli.
(*Anser cinereus*.)
24. **brevimaculatus** Piaget, *Pédiculines*, 1880, p. 119, Pl. 10, f. 7.
(*Bernicla brenta*) nec Giebel, 1874 = *P. dentatus* Scopoli.
46. **bruneri** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 128, Pl. 1, f. 2.
(*Menacus condaci*.)

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25. *brunneiceps* Giebel, *Ins. Epiz.*, 1874, p. 114 = *P. dentatus* Scopoli.
(*Anser cygnoides*.)
26. *brunneopygus* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 130 = *P. dentatus*
Scopoli. (*Anser leucopsis*.)
47. *bubonis* Osborn, *Bull. Div. Ent.*, 1896, p. 219.
(*Bubo virginianus*.)
48. *buphthalmus* Piaget, *Pédiculines*, Suppl., 1885, p. 2, Pl. 1, f. 3.
(*Parrot*.)
49. *buteonis* Packard, *Amer. Nat.*, iv, 1870, p. 93, Pl. 1, f. 3.
(*Buteo lineatus*.)
50. *californiensis* Kellogg, *New Mallophaga*, ii, 1896, p. 483, Pl. 66, f. 6.
(*Melanerpes* spp.)
51. *calurus* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 452.
(*Buteo calurus*.)
52. *calvus* Kellogg, *New Mallophaga*, i, 1896, p. 79, Pl. 3, f. 1.
(*Uria troile (californica)*.)
27. *cancellatus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 297.
(*Corvus cornix*.) *Nom. nud.*
53. *cancellosus* Carriker, *Univ. Nebr. Stud*, iii, 1903, p. 132, Pl. 1, f. 4.
(*Rhamphastos tocard*.)
54. *candidus* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 457.
(*Buteo ghisbrechtii*.)
28. *canuti* Denny, *Anoplur. Brit.*, 1842, p. 84, Pl. 3, f. 5
(*Tringa canutus*) = *P. fusiformis* Denny.
29. *capensis* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 360.
(*Sturnus capensis*.) *Nom. nud.*
55. *capistratus* Neumann, *Arch. Parasit.*, xv, 1912, p. 375, f. 20.
(*Halcyon semicaeruleus*.)
30. *cardinalis* Piaget, *Pédiculines*, 1880, p. 58, Pl. 4, f. 5.
(*Carduelis cucullata*) = *P. subflavescens* Geoffroy.
31. *caspicus* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 362.
(*Sterna caspia*.) *Nom. nud.*
56. *ceblebrachys* Nitzsch, in Denny, *Anoplur. Brit.*, 1842, p. 92, Pl. 1, f. 3.
(*Nyctea nivea*.)
57. *celidoxus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 426.
(*Alca torda*, etc.)
58. *cephalosus* Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 217, Pl. 20,
f. 1. (*Colaptes cafer*.)
32. *cephalotes* Nitzsch, see *Paroncophorus*.
33. *cephaloxys* Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 143, Pl. 7, f. 9.
(*Alcedo ispida*) = *P. alcedinis* Denny.

59. **cephalus** Denny, *Anoplur. Brit.*, 1842, p. 81, Pl. 2, f. 8.
(*Lestris* spp.) [73].
60. **cerylinus** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 119, f. 67, 68.
(*Ceryle rudis*.) ? = *P. duplicatus* Piaget. L. H.
34. **charadriipluvialis** 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, xlv,
p. 195. (*Charadrius pluvialis*.) *Nom. nud.*
61. **chelorhynchus** Giebel, *Ins. Epiz.*, 1874, p. 72.
(*Circus aeruginosus*. Straggler from *Parrot*.)
35. **chloridis** Schrank, *Beyträge*, 1776, p. 118, f. 10 = *P. subflavescens*
Geoffroy. (*Chloris chloris*.)
62. **chrysophthalmi** Denny, *Anoplur. Brit.*, 1844, p. 99, Pl. 2, f. 3.
(*Clangula chrysophthalmus*.)
63. **cicatricosus** Percheron, in Guérin and Percheron, *Gén. Ins.*, 1835,
Liv. 50. (*Eagle*, Piedmont.)
64. **cincli** Denny, *Anoplur. Brit.*, 1842, p. 85, Pl. 5, f. 8.
(*Cinclus aquaticus*) [88].
36. **cinnamomeus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 303.
(*Coracias garrula*.) *Nom. nud.*
37. **citrinellae** Schrank, *Beyträge*, 1776, p. 116, f. 7 = *P. subflavescens*
Geoffroy. (*Emberiza citrinella*.)
65. **clausus** Giebel, *Ins. Epiz.*, 1874, p. 107.
(*Ibis macei*.)
66. **claviformis** Piaget, *Pédiculines*, Suppl., 1885, p. 2, Pl. 1, f. 2.
(*Pitta* sp.)
67. **clypeatus** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 113.
(*Strix tengnialmi*.)
68. **coccygi** Osborn, *Bull. Div. Ent.*, 1896, p. 222, f. 143.
(*Coccyzus americanus*.)
38. **coelebitis** Leach MS., in Denny, *List Brit. An.*, 1852, p. 14.
(*Fringilla coelebs*.) *Nom. nud.* = *P. subflavescens* Geoffroy.
69. **coloratus** Rudow, *Beitrag*, 1869, p. 14.
(*Macronectes giganteus*.)
70. **colymbinus** Denny, *Anoplur. Brit.*, 1842, p. 80, Pl. 8, f. 8
(*Colymbus* spp.)
39. **communis** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 425.
(Many *Passeres*) = *P. subflavescens* Geoffroy.
40. **compar** Piaget, *Pédiculines*, 1880, p. 61, Pl. 7, f. 1.
(*Loxia* spp.) = *P. subflavescens* Geoffroy.
71. **completus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 361.
(*Anastomus coromandelicus*.)
41. **congener** Giebel, *Ins. Epiz.*, 1874, p. 111 = *P. gonothorax* Giebel.
(*Larus* spp.)

72. **conicus** Denny, *Anoplur. Brit.*, 1842, p. 90, Pl. 5, f. 2.
(*Charadrius pluvialis*) [65].
73. **continuus** Piaget, *Pédiculines*, 1880, p. 88, Pl. 6, f. 9.
(*Porphyrio smaragdinus*.)
42. **coracis** Leach MS., in Denny, *List Brit. An.*, 1852, p. 7.
(*Corvus corax*.) *Nom. nud.* = *P. semisignatus* N.
43. **cordiceps** Giebel, *Ins. Epiz.*, 1874, p. 103 = *P. glareolae* Giebel.
(*Totanus glareola*.)
44. **cordiceps** Piaget, *Pédiculines*, 1880, p. 80, Pl. 6, f. 2, nec Giebel, 1874.
(*Totanus* spp.) = *P. temporalis* Giebel.
45. **cornicis** Fabricius, *Syst. Ent.*, 1775, p. 807 = *P. ocellatus* Scopoli.
(*Corvus cornix*.)
74. **cornutus** Piaget, *Pédiculines*, 1880, p. 21.
(*Falco bidentatus*, *Pernis apivorus*.)
75. **coromandus** Rudow, *Beitrag*, 1869, p. 16.
(*Coccytes coromandus*.)
46. **coronatus** Giebel, see *Giebelia*.
76. **corvi** Linné, *Syst. Nat.*, 1758, p. 612.
(*Corvus corone*.) Note: *P. corvi* Packard, 1870, as a *Lipeurus*, and Osborn, 1896, from *Corvus americanus* requires renaming, if distinct. L. H. [3, 13.]
47. **crassiceps** 'Burmeister,' Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 287. (*Nucifraga caryocatactes*) = *P. crassipes* N.
77. **crassipes** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 425.
(*Nucifraga caryocatactes*) [47].
78. **crenulatus** Giebel, *Ins. Epiz.*, 1874, p. 71.
(*Strix nisoria* = *Syrnia ulula*.)
48. **cruciatu**s Nitzsch, 1866, see *Degeeriella*.
79. **cursitans** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 529.
(*Strix passerina* = *Athene noctua*.)
80. **cursor** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 426.
(*Strix brachyotus*. Many owls) [20, 142].
49. **curvirostrae** Schrank, *Beyträge*, 1776, p. 117, f. 8 = *P. subflavescens* Geoffroy. (*Loxia curvirostra*.)
81. **cygni** Denny, *Anoplur. Brit.*, 1842, p. 95, Pl. 1, f. 1.
(*Cygnus* spp.)
82. **delphax** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 360.
(*Dacelo gigas*.)
83. **dennyi** Ponton, *Month. Micr. Journ.*, vi, 1871, p. 8, Pl. 91, f. 3.
(*Pionites mexicanus*.)

84. **dentatus** Scopoli, *Ent. Carn.*, 1763, p. 383.
(Many **ducks**) [19, 23, 24, 25, 26, 83, 98, 105].
50. **dentatus** Giebel, see *Docophoroides*.
85. **depressus** Piaget, *Tijd. v. Ent.*, xiv, 1871, p. 115, Pl. 6, f. 1.
(***Malaconotus icterus***.)
86. ***dilatator** *nom. nov.* for *dilatatus* Piaget, 1880, *nec* Rudow, 1869.
(***Bernicla brenta***) [52].
51. *dilatatus* Rudow, *Beiträge*, 1869, p. 14 = *P. platyrhynchus* Nitzsch.
(***Buteo lagopus***.)
52. *dilatatus* Piaget, *Pédiculines*, 1880, p. 102, Pl. 9, f. 3, *nec* Rudow, 1869. (***Bernicla brenta***) = *P. dilatator* Harrison.
53. *diomedae* Gurlt, *Arch.f. Naturgesch.*, xxiii, 1857, p. 289. *Nom. nud.*
(***Diomedea exulans***.)
87. **distinctus** Kellogg, *New Mallophaga*, ii, 1896, p. 477, Pl. 65, f. 5.
(***Corvus corax***.)
88. **domesticus** Kellogg, *New Mallophaga*, ii, 1896, p. 475, Pl. 65, f. 4.
(***Progne*** spp.)
54. *dubius* Piaget, *Pédiculines*, 1880, p. 120, Pl. 10, f. 8.
(***Larus mangola***) = *P. gracilis* Piaget.
89. **duplicatus** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 223, Pl. 8, f. 1.
(***Ceryle rudis***.)
90. **elongatus** Piaget, *Pédiculines*, Suppl., 1885, p. 15, Pl. 2, f. 4.
(***Rhyncops flavirostris***.)
91. **emarginatus** Piaget, *Tijd. v. Ent.*, xiv, 1871, p. 135, Pl. 7, f. 14.
(***Ibis peregrina***.)
55. *emberizae* Degeer, *Mém. Hist. Ins.*, vii, 1778, p. 74, Pl. 4, f. 9–10.
(***Emberiza*** sp.) = *P. subflavescens* Geoffroy.
92. **eos** Rudow, *Beitrag*, 1869, p. 15.
(***Cacatua eos***.)
93. **episcopi** Kell., *Schwed. Zool. Exp. Kilimandjaro*, 1910, p. 44, Pl. 7, f. 2.
(***Dissoura episcopus***.)
56. *eurygaster* Giebel, *Ins. Epiz.*, 1874, p. 69 = *P. platyrhynchus* Nitzsch.
(***Buteo lagopus***.)
57. *euryrhynchus* Giebel, *Ins. Epiz.*, 1874, p. 112 = *P. pustulosus* N.
(***Lestris pomarina*** = ***Stercorarius pomatorhina***.)
94. **evagans** Kellogg, *New Mallophaga*, ii, 1896, p. 480, Pl. 66, f. 2.
(***Dryobates pubescens***.)
95. **excisus** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 425.
(***Hirundo urbana***, etc.) [82].
96. **extraneus** Piaget, *Pédiculines*, Suppl., 1885, p. 3, Pl. 1, f. 4.
(***Corvus macrorhynchus***.)

58. *exulantis* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 289. *Nom. nud.*
(*Diomedea exulans*.)
97. *fallax* Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 141.
(*Kitta thalassina*.)
59. *fasciatus* [Scopoli] Berlese, see *Menopon*.
98. *femoralis* Giebel, *Ins. Epiz.*, 1874, p. 71.
(*Falco leucomelas*.)
99. *femoratus* Piaget, *Pédiculines*, 1880, p. 68.
(*Dacelo princeps*.)
100. *ferrugineus* Giebel, *Ins. Epiz.*, 1874, p. 114.
(*Spatula clypeata*.)
60. *fissiformis* Osborn, *Bull. Div. Ent.*, 1896, p. 217 = *P. fusiformis*
Denny. (*Tringa (Erolia) alpina*.)
101. *fissisignatus* Kellogg and Paine, *Ent. News*, xxii, 1911, p. 19, f. 1.
(‘*Desert curlew*,’ Bolivia.)
61. *flammineae* Leach MS., in Denny, *List Brit. An.*, 1852, p. 10.
Nom. nud. (*Strix flammea*) = *P. rostratus* Nitzsch.
102. *flavopunctatus* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 458.
(*Tribonyx ventralis*.)
103. *forficula* Piaget, *Tijd. v. Ent.*, xiv, 1871, p. 117, Pl. 6, f. 3.
(*Platycercus* spp.)
104. *forficuloides* Piaget, *Pédiculines*, 1880, p. 72, Pl. 5, f. 6.
(*Alcedo* sp. Java. A parrot parasite.)
62. *fornicatus* Olfers, *De vegetativis etc.*, 1816, p. 89. Not recognisable.
(*Gulls* and *terns*.)
105. *foudrasi* Coinde, *Bull. Nat. Mosc.*, ii, 1859, p. 423.
(*Ibis sacra*.)
106. *frater* Giebel, *Ins. Epiz.*, 1874, p. 103.
(*Totanus (Tringa) hypoleucus*.)
63. *fringillae* Denny, *Anoplur. Brit.*, 1842, p. 79, Pl. 3, f. 2.
(*Fringilla montifringilla*) = *P. subflavescens*
Geoff.
64. *fulicae* Schrank, *Fauna Boica*, 1803, p. 191, nec Linné, 1758.
(*Fulica atra*) = *P. pertusus* Nitzsch.
65. *fuliginosus* Kellogg, *New Mallophaga*, i, 1896, p. 80, Pl. 3, f. 2.
(*Charadrius* spp.) = *P. conicus* Denny.
66. *fuligulae* Leach MS., in Denny, *List Brit. An.*, 1852, p. 13. *Nom.*
nud. (*Fuligula* sp.)
67. *fulvus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 425.
(*Garrulus glandarius*) = *P. garruli* Boisd. & Lac.
107. *furca* Giebel, *Ins. Epiz.*, 1874, p. 118.
(*Grus leucogeranus*.)

108. *furcatus* Giebel, *Ins. Epiz.*, 1874, p. 106.
(*Ibis rubra*.)
109. *fuscatus* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 359.
(*Cyanocorax cristatellus*.)
68. *fuscicollis* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 425.
(*Lanius excubitor*) = *P. lanii* Fabricius.
69. *fuscoclypeatus* Johnston and Harrison, see *Giebelia*.
110. *uscoventralis* Osborn, *Bull. Div. Ent.*, 1896, p. 221.
(*Contopus virens*.)
111. *fusiformis* Denny, *Anoplur. Brit.*, 1842, p. 84, Pl. 1, f. 2.
(*Tringa (Erolia)* spp.) [28, 60].
112. *gaini* Neumann, *Deux. Exp. Ant. Franc.*, 1913, p. 189, f. 1-3.
(*Macronectes gigantea*.)
113. *galapagensis* Kellogg and Kuwana, *Proc. Wash. Acad. Sci.*, iv, 1902, p. 464, Pl. 28, f. 4.
(*Geospiza* spp., *Camarhynchus* spp.)
70. *galli* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 292. *Nom. nud.*
(*Gallus bankiva*.)
114. *garrulae* Piaget, *Pédiculines*, 1880, p. 59, Pl. 4, f. 7.
(*Bombycilla garrula*.)
115. *garruli* Boisduval & Lacordaire, *Faun. Ent. Env. Paris*, 1835, p. 120.
(*Garrulus glandarius*) [67, 72].
71. *gigas* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 289. *Nom. nud.*
(*Diomedea exulans*.)
116. *gilvus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 305
(*Psittacus erithacus*.)
72. *glandarii* Leach MS., in Denny, *List Brit. An.*, 1852, p. 8. *Nom. nud.* (*Garrulus glandarius*) = *P. garruli* Boisd. & Lac.
73. *glareolae* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 361 = *D. cephalus* Denny. (*Totanus glareola*) [43, 109].
74. *globifer* Olfers, *De Vegetativis, etc.*, 1816, p. 19.
(*Emberiza citrinella*, etc.) = *P. subflavescens* Geoff.
75. *gonorhynchus* Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 526.
(*Astur nisus*) = *P. nisi* Denny.
117. *gonothorax* Giebel, *Zeit. f. ges. Nat.*, xxxvii, 1871, p. 450.
(*Larus* spp.) [21, 41, 84, 86, 95].
118. *gracilis* Piaget, *Tijd. v. Ent.*, xiv, 1871, p. 120, Pl. vi, f. 5.
(*Xulla mangola*) [54].
119. *graculae* Piaget, *Pédiculines*, 1880, p. 67, Pl. v, f. 2.
(*Gracula religiosa*.)
76. *grandiceps* Giebel, *Ins. Epiz.*, 1874, p. 85 = *P. ptilonorhynchi* Ponton. (*Ptilonorhynchus holosericeus*.)

120. **graviceps** Kellogg, *New Mallophaga*, i, 1896, p. 82, Pl. 3, f. 3.
(*Fulica americana*, *Urinator pacificus*.)
121. **grylle** O. Fabricius, *Faun. Groen.*, 1780 p. 218.
(*Uria grylle*) [96].
122. **guttatus** Nitzsch, in Denny, *Anoplur. Brit.*, 1842, p. 67, Pl. 3, f. 8.
(*Corvus monedula*) [138].
77. **haematopus** Scopoli, *Ent. Carn.*, 1763, p. 381, *nec* Linné, 1758.
(*Nyctea nivea*.)
78. **haematopi** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 361, *nec* Scopoli, 1763. (*Haematopus ostralegus*.)
123. **halioti** Osborn, *Bull. Div. Ent.*, 1896, p. 218.
(*Haliaeetus leucocephalus*.)
124. **hamatofasciatus** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 225, Pl. 8, f. 3.
(*Penelopides manilla*.)
79. **hamatus** Packard, *Amer. Nat.*, iv, 1870, p. 94, Pl. 1, f. 7.
(*Emberiza nivalis*) = *P. subflavescens* Geoffroy.
125. **hawaiiensis** Kellogg and Chapman, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 157. (*Charadrius dominicus fulvus*.) Sub-species of *P. conicus* Denny [160].
80. **heterocerus** Nitzsch, see *Strigiphilus*.
126. **heteropygus** Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 99.
(*Tantalus oculator*.)
127. **hexagonus** Giebel, *Ins. Epiz.*, 1874, p. 116.
(*Phaethon phoenicurus*) [122].
128. **hians** Giebel, *Ins. Epiz.*, 1874, p. 107.
(*Ibis rubra*.)
81. **himantopi** Leach MS., in Denny, *List Brit. An.*, 1852, p. 10. *Nom. nud.* (*Himantopus candidus*.)
82. **hirundinis** Piaget, *Tijd. v. Ent.*, xiv, 1871, p. 134, Pl. 7, f. 13.
(*Hirundo* spp.) = *P. excisus* Nitzsch.
129. **horridus** Giebel, *Zeit. f. ges. Nat.*, xlvii, 1876, p. 249.
(*Ciconia australis*.)
130. **hospes** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 457.
(*Penelope nigra*.)
131. **humeralis** Denny, *Anoplur. Brit.*, 1842, p. 88, Pl. 5, f. 7.
(*Numenius arquata*.)
83. **icterodes** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 424.
(*Ducks and Geese*) = *P. dentatus* Scopoli.
132. **incisus** Kellogg, *New Mallophaga*, ii, 1896, p. 474, Pl. 65, f. 3.
(*Sialia sialis*.)
133. **incompletus** Nitzsch, in Denny, *Anoplur. Brit.*, 1842, p. 105, Pl. 6, f. 5. (*Ciconia alba*.)

134. **indicus** Piaget, *Pédiculines*, 1880, p. 98, Pl. 7, f. 6.
(*Tantalus lacteus*.)
135. **insolitus** Kellogg, *New Mallophaga*, i, 1896, p. 94, Pl. 4, f. 5.
(*Ptychorhamphus aleuticus*.)
136. **insulicola** Kell. & Kuw., *Proc. Wash. Acad. Sci.*, iv, 1902, p. 466,
Pl. 28, f. 6. (*Passeres*, Galapagos.)
137. **integer** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 360.
(*Grus communis (grus)*.)
138. **intermedius** Piaget, *Pédiculines*, 1880, p. 20, Pl. 1, f. 2.
(*Haliaetus vocifer*.)
139. **javanicus** Rudow, *Beitrag*, 1869, p. 12.
(*Buceros ruficollis*) [114].
140. **jungens** Kellogg, *New Mallophaga*, ii, 1896, p. 481, Pl. 66, f. 4.
(*Colaptes auratus*.)
141. **kansensis** Kellogg, *New Mallophaga*, i, 1896, p. 91, Pl. 3, f. 8.
(*Colymbus nigricollis*.)
142. **labidion** Neumann, *Bull. Soc. Toulouse*, xxv, 1891, p. 84, f. 1.
(*Eclectus polychlorus*.)
143. **lanii** Fabricius, *Ent. Syst.*, Suppl., 1798, p. 570.
(*Lanius collurio*) [68, 154].
84. **lari** O. Fabricius, *Faun. Groen.*, 1780, p. 219, *nec* Degeer, 1778.
(*Larus* spp.) = *P. gonothorax* Giebel.
85. **laricola** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 363.
(*Sterna* spp.) = *P. melanocephalus* Nitzsch.
86. **larinus** Picaglia, *Atti Soc. Ital. Sci.*, xxviii, 1885, p. 1.
(*Larus* sp., Suez.) = *P. gonothorax* Giebel.
87. **laticaudatus** Rudow, *Beitrag*, 1869, p. 12 = *P. melanocephalus* N.
(*Sterna cantiaea*.)
88. **laticeps** Giebel, *Ins. Epiz.*, 1874, p. 88 = *P. cincli* Denny.
(*Cinclus aquaticus*.)
144. **laticlypeatus** Piaget, *Tijd. v. Ent.*, xiv, 1871, p. 116, Pl. 6, f. 2.
(*Cacomantis flabelliformis*.)
145. **latifrons** Nitzsch, in Denny, *Anoplur. Brit.*, 1842, p. 97, Pl. 1, f. 4.
(*Cuculus canorus*.)
89. **leontodon** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 425.
(*Sturnus vulgaris*) = *P. sturni* Schrank.
146. **leptomelas** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 358.
(*Corvultur albicollis*.)
90. **leucogaster** Giebel, *Ins. Epiz.*, 1874, p. 300 = *P. platyrhynchus* N.
(*Buteo jaktal*.)
147. **limbatus** Piaget, *Pédiculines*, Suppl., 1885, p. 4, Pl. 1, f. 5.
(*Megalaema corvina*.)

148. **limosae** Denny, *Anoplur. Brit.*, 1842, p. 86, Pl. 4, f. 2.
(*Limosa* spp.)
149. **linariae** Piaget, *Pédiculines*, Suppl., p. 5, Pl. 1, f. 6.
(*Fringilla linaria*.)
150. **lineatus** Giebel, *Ins. Epiz.*, 1874, p. 91.
(*Certhia longirostris*.)
91. **lobaticeps** Giebel, *Ins. Epiz.*, 1874, p. 109 = *P. melanocephalus* N.
(*Sterna* spp.)
92. **lobatus** Giebel, *Ins. Epiz.*, 1874, p. 68 = *P. naevius* Giebel.
(*Aquila naevia*.)
151. **longiceps** Piaget, *Pédiculines*, 1880, p. 663, Pl. 54, f. 6.
(*Brachypteracias leptosomus*.)
93. **longiclypeatus** Piaget, *Pédiculines*, Suppl., 1885, p. 12, Pl. 2, f. 2.
(*Psittace macao*. Straggler from *Ibis*) = *P. bisignatus* Nitzsch.
152. **longipes** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 452.
(*Ardea novaehollandiae*.)
153. **longisetaceus** Giebel, *Ins. Epiz.*, 1874, p. 118.
(*Aquila fulva*.)
154. **macgregori** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 156,
Pl. 13, f. 1. (*Chlorodrepanis virens*.)
155. **macrocephalus** Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 73.
(*Haliastur indus*, *Haliaetus albicilla*.)
156. **macrodocus** Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 303.
(*Cinclosoma pallasii*.)
157. **macropus** Giebel, *Ins. Epiz.*, 1874, p. 301.
(*Caprimulgus europaeus*.)
158. **macrotrichus** Kolenati, *Sitz. Akad. Wiss. Wien*, xxix, 1859, p. 248,
f. 5. (*Chrysophlegma flavinucha*.)
94. **magus** Nitzsch, see *Degeeriella* [7].
159. **maculatus** Rudow, *Beitrag*, 1869, p. 12.
(*Cassicus yuaracares* = *Gymnostinops yuracarium*.)
160. **maculipes** Piaget, *Pédiculines*, 1880, p. 661, Pl. 54, f. 3.
(*Picus* sp.)
95. **magnus** Piaget, *Pédiculines*, 1880, p. 112 = *P. gonothorax* Giebel.
(*Larus atricilla*.)
161. **major** Waterston, *Ent. Month. Mag.*, 1912, p. 62. Var. of
nirmoides. (*Scolopax gallinago*) [108].
162. **mandarinus** Giglioli, *Quart. Journ. Micr. Sci.*, iv, 1864, p. 22, Pl. 1,
f. 9. (*Turdus mandarinus*.)
96. **megacephalus** Denny, *Anoplur. Brit.*, 1842, p. 86, Pl. 5, f. 5.
(*Uria grylle*) = *grylle* O. Fabricius.

163. **melanocephalus** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 426.
(*Sterna* spp.) [85, 87, 91].
97. **melittoscopus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 526.
Nom. nud. (*Pernis apivorus*.)
98. **mergi** Guérin, *Encyc. Meth.*, ? 1818, Pl. 254, f. 2.
(*Mergus* sp.) = *P. dentatus* Scopoli.
164. **merguli** Denny, *Anoplur. Brit.*, 1842, p. 72, Pl. 3, f. 7.
(*Mergulus alle*.)
165. **meropis** Denny, *Anoplur. Brit.*, 1842, p. 101, Pl. 4, f. 4.
(*Merops apiaster*) [18].
166. **merulae** Denny, *Anoplur. Brit.*, 1842, p. 106, Pl. 3, f. 1.
(*Turdus merula*.)
99. **meyeri** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 361. *Nom. nud.*
(*Limosa meyeri*.)
167. **microcerus** Rudow, *Beiträge*, 1869, p. 13.
(*Numenius linearis*.)
168. **milvi** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 109, Pl. 3, f. 1.
(*Milvus aegyptius*.)
169. **minor** Kell. and Kuw., *Wash. Acad. Sci.*, iv, 1902, p. 460.
(*Puffinus subalaris*.)
100. **minutotrabeclatus** Osborn, see *Rallicola*.
170. **mirinotatus** Kell. & Chap., *New Mallophaga*, iii, 1899, p. 65, Pl. 5,
f. 6. (*Junco hyemalis*.)
171. **mirus** Kell. & Chap., *New Mallophaga*, iii, 1899, p. 67, Pl. 5, f. 7.
(*Thryothonus bewickii*.)
172. **modularis** Denny, *Anoplur. Brit.*, 1842, p. 107, Pl. 3, f. 3.
(*Accentor modularis*.)
101. **mollis** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 312.
Nom. nud. (*Totanus calidris*.)
173. **monachus** Kellogg and Paine, *Ent. News*, xxii, 1911, p. 75, f. 1.
(*Rallus virginianus*.)
102. **monedulae** Leach MS., in Denny, *List Brit. An.*, 1852, p. 7. *Nom.*
nud. (*Corvus monedula*.)
174. **montereyi** Kellogg, *New Mallophaga*, i, 1896, p. 87, Pl. 3, f. 6.
(*Synthliborhamphus antiquus*, etc.)
103. **motacillae** Fabricius, *Gen. Ins.*, 1776, p. 310 = *subflavescens* Geoffroy.
(*Motacilla alba*.)
175. **mystacinus** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 116.
(*Dacelo coromandellana*.)
104. **naeviae** Picaglia, *Atti Soc. Ital. Sci. Nat.*, xxviii, 1885, p. 2.
(*Aquila naevia*) = *naevius* Giebel.

176. **naevius** Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 523.
(*Aquila naevia*) [92, 104, 125].
105. **natatorum** Rudow, *Beitrag*, 1869, p. 15 = *dentatus* Scopoli.
(*Bernicla brenta*.)
177. **naumanni** Giebel, *Ins. Epiz.*, 1874, p. 100.
(*Vanellus squatarola*.)
106. **nectariniae** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308. *Nom.*
nud. (*Nectarinia* sp.)
107. **nirmoides** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 299.
Nom. nud. (*Sylvia rubetra*.)
108. **nirmoides** Piaget, *Pédiculines*, 1880, p. 104, *nec* Nitzsch, 1861.
(*Numenius arquata*) = *major* Waterston.
178. **nirmoideus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 291.
(*Sylvia rubetra*.)
179. **nisi** Denny, *Anoplur. Brit.*, 1842, p. 109, Pl. 3, f. 11.
(*Accipiter nisus*) [75].
109. **nitzschi** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 361.
(*Totanus glareola*) = *glareolae* Giebel.
180. **novaehollandiae** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 360.
(*Antigone australasiana*.)
181. **nudipes** Piaget, *Pédiculines*, 1880, p. 26, Pl. 1, f. 6.
(*Strix brachyotus*.)
182. **numenicola** John. & Harr., *Trans. N.Z. Inst.*, 1912, p. 372, f. 11-12.
(*Numenius variegatus*.)
183. **obcordatus** Piaget, *Tijd. v. Ent.*, xiv, 1871, p. 121, Pl. 6, f. 6.
(*Scythrops novaehollandiae*.)
184. **obscurus** Giebel, *Ins. Epiz.*, 1874, p. 72.
(*Rostrhamus hamatus*.)
185. **obtusus** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 366.
(*Anas fuligula*.)
186. **occidentalis** Kellogg, *New Mallophaga*, i, 1896, p. 89, Pl. 3, f. 7.
(*Fulmarus* spp.)
110. **occidentalis** Kellogg, *New Mallophaga*, iii, 1899, p. 11, Pl. 1, f. 4, 7.
(*Coccyzus americanus occidentalis*.)
187. **ocellatus** Scopoli, *Ent. Carn.*, 1763, p. 382.
(*Corvus cornix*, *C. corone*) [45].
111. **ochroleucus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 303.
Nom. nud. (*Sturnus vulgaris*.)
112. **oedicelemi** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308. *Nom.*
nud. (*Oedicelemus crepitans*.)
188. **orbicularis** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 460.
(*Aquila fulvus*.)

189. **ornatus** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 116.
(*Oriolus galbula*.)
113. **ostralegi** Denny, *Anoplur. Brit.*, 1842, p. 74, Pl. 5, f. 4.
(*Haematopus ostralegus*. Type in British Museum = *P. sturni*. L. H.)
190. **ovatus** Giebel, *Ins. Epiz.*, 1874, p. 98.
(*Botaurus stellaris*.)
114. **pachynemis** Giebel, *Zeit. f. ges. Nat.*, xlvii, 1876, p. 248.
(*Buceros* spp.) = *P. javanicus* Rudow.
191. **pachypus** Giebel, *Ins. Epiz.*, 1874, p. 71.
(*Falco pondicerianus*.)
115. **pallescens** Denny, *Anoplur. Brit.*, 1842, p. 82, Pl. 11, f. 5.
(*Parus* spp.) = *P. subflavescens* Geoffroy.
192. **pallidus** Giebel, *Ins. Epiz.*, 1874, p. 78.
(*Strix tengmalmi*.)
193. **panamensis** Kellogg, *New Mallophaga*, iii, 1899, p. 9, Pl. 1, f. 1.
(*Phoenicothraupis fuscicauda*.)
194. **papuanus** Giebel, *Zeit. f. ges. Nat.*, lii, 1879, p. 475.
(*Paradisea papuana*) [145].
116. **paraboliceps** Piaget, see *Degeeriella*.
117. **pari** Denny, *Anoplur. Brit.*, 1842, p. 87, Pl. 6, f. 6.
(*Parus* spp.) = *P. subflavescens* Geoffroy.
195. **parvus** Piaget, *Pédiculines*, 1880, p. 112.
(*Larus dominicanus*.)
118. **passerinus** Denny, *Anoplur. Brit.*, 1842, p. 104, Pl. 5, f. 12.
(*Motacilla* spp.) = *P. subflavescens* Geoffroy.
119. **passeris** De Fourcroy, *Ent. Paris*, 1785, p. 518.
(*Passer domesticus*) = *P. subflavescens* Geoffroy.
120. **pastoris** Denny, *Anoplur. Brit.*, 1842, p. 77, Pl. 4, f. 3.
(*Pastor roseus*) = *P. sturni* Schrank.
121. **penicillatus** Piaget, *Pédiculines*, 1880, p. 22.
(*Milvus aegyptiacus*, *M. ater*) = *P. spathulatus* Gbl.
196. **peristictus** Kell. & Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 462,
Pl. 28, f. 2. (Host uncertain. Galapagos.)
197. **perspicuus** Kellogg, *Brooklyn Sc. Bull.*, ii, 1914, p. 83
(*Corvus* sp., C. Verde Is.)
198. **pertusus** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 426.
(*Fulica atra*) [64].
122. **phaethonus** Osborn, *Proc. U. S. Nat. Mus.*, xii, 1899, p. 189.
(*Phaethon* spp.) = ? *P. hexagonus* Giebel.
Quoted from Kellogg (1908). Reference incorrect. Cannot trace.

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123. *phoenicopteri* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308. *Nom. nud.*
124. *phoenicopter* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 127, *nec* Gurlt, 1857. (*Phoenicopter roseus*) = *P. pygasp*i Nitzsch.
199. *piageti* Bezzi, *Soc. Ent. Ital. Bull.*, xxii, 1890, p. 34.
(*Ara macao*. Straggler from ibis. L. H.)
Nom. nov. for *P. bisignatus* Piaget, 1885, p. 11, *nec* Nitzsch, 1866.
200. *picae* Denny, *Anoplur. Brit.*, 1842, p. 67, Pl. 1, f. 9.
(*Pica caudata*) [147].
201. *pici* Fabricius, *Ent. Syst.*, Suppl., 1798, p. 570.
(*Picus* spp.) [135].
125. *pictus* Giebel, *Ins. Epiz.*, 1874, p. 74 = *P. naevius* Giebel.
(*Aquila chrysaëtos*, *A. naevius*.)
126. *pilosus* Piaget, *Pédiculi*nes, 1880, p. 116, Pl. 10, f. 4.
(*Phoenicopter antiquorum*) = *P. pygasp*is N.
202. *plataleae* Denny, *Anoplur. Brit.*, 1842, p. 100, Pl. 4, f. 9.
(*Platalea leucorodia*) [140].
203. *platycephalus* Kell. & Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 461, Pl. 28, f. 1. (*Oceanites gracilis*.)
204. *platycypeatus* Piaget, *Tijd. v. Ent.*, xiv, 1871, p. 133, Pl. 7, f. 12.
(*Anastomus lamelligerus*.)
205. *platygaster* Denny, *Anoplur. Brit.*, 1842, p. 83, Pl. 2, f. 5.
(*Charadrius* spp.) [137].
206. *platyrhynchus* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 525.
(*Astur palumbarius*) [51, 56, 90].
207. *platystomus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 426.
(*Buteo vulgaris*, etc.)
127. *ploti* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308. *Nom. nud.*
128. *pluvialis* 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308. *Nom. nud.*
208. *prionitis* Denny, in Jardine, *Ann. Mag. Nat. Hist.*, vi, 1841, p. 327.
(*Pionites bahamensis*.)
209. *procax* Kell. & Chap., *New Mallophaga*, iii, 1899, p. 54, Pl. 5, f. 1.
(*Cephus columba*.)
210. *productus* Piaget, *Pédiculi*nes, 1880, p. 87, Pl. 6, f. 8.
(*Ardea* sp., Java.)
211. *protrusus* Piaget, *Tijd. v. Ent.*, xiv, 1871, p. 119, Pl. 6, f. 4.
(*Eclectus* spp.)
212. *ptilonorhynchi* Ponton, *Month. Micr. Journ.*, vi, 1871, p. 8.
(*Ptilonorhynchus holosericeus*) [76].

213. **pustuliferus** Picaglia, *Atti Soc. Ital. Sc. Nat.*, xxviii, 1885, p. 3.
(*Hydrochelidon surinamensis*.)
214. **pustulosus** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 363.
(*Lestris* spp.) [57].
215. **pygaspis** Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 310.
(*Phoenicopterus antiquorum*) [124, 126].
129. **pyrrhulae** Schrank, *Beyträge*, 1776, p. 117, f. 9 = *P. subflavescens*
Geoff. (*Pyrrhula vulgaris*.)
216. **quadraticeps** Kellogg, *New Mallophaga*, i, 1896, p. 85, Pl. 3, f. 5.
(*Fulica americana*.)
217. **quadripustulatus** Kellogg & Mann, *Ent. News*, xxiii, 1912, p. 57.
(*Pipilo carmani*.)
218. **quinquemaculatus** Piaget, *Pédiculines*, Suppl., 1885, p. 9, Pl. 1, f. 10.
(*Hirundo urbana*.)
219. **quiscali** Osborn, *Bull. Div. Ent.*, 1896, p. 219.
(*Quiscalus* sp., Iowa.)
220. **ralli** Denny, *Anoplur. Brit.*, 1842, p. 75, Pl. 5, f. 6.
(*Rallus aquaticus*.)
221. **reguli** Denny, *Anoplur. Brit.*, 1842, p. 91, Pl. 6, f. 4.
(*Regulus aurocapillus*.)
130. **rhamphasti** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308. *Nom.*
nud.
222. **rostratus** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 427.
(*Strix flammea*) [61].
223. **rotundatus** Piaget, *Pédiculines*, 1880, p. 21.
(*Circus rufus*.)
131. **rotundatus** Piaget, *Pédiculines*, 1880, p. 47, Pl. 3, f. 5, *nec* p. 21.
(*Corvus corone*.)
132. **rotundatus** Piaget, *Pédiculines*, 1880, p. 60, Pl. 4, f. 7a, *nec* p. 21.
(*Phasianus pictus*. Straggler from *passerine*.)
224. **rotundus** Rudow, *Beitrag*, 1869, p. 11.
(*Numenius phaeopus*, *N. linearis*.)
133. **rubeculae** Schrank, *Beyträge*, 1776, p. 115, Pl. 5, f. 4.
(*Sylvia (Erithacus) rubecula*) = *P. subflavescens* Geoffroy.
134. **ruficeps** Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 138.
(*Fringilla montana*) = *P. subflavescens* Geoffroy.
225. **rufus** Kellogg, *New Mallophaga*, iii, 1899, p. 7, Pl. 1, f. 6 and 9.
(*Myiarchus cinerascens*.)
226. **rutteri** Kellogg, *New Mallophaga*, iii, 1899, p. 12, Pl. 1, f. 3.
(*Parus atricapillus*.)
135. **scalaris** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 427.
(*Picus* spp.) = *P. pici* Fabricius.

136. *schillingi* 'Giebel,' Gurlt, 1878, p. 206, see *Trabeculus*.
227. *semisignatus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 424.
(*Corvus corax*) [5, 42].
137. *semivittatus* Giebel, *Ins. Epiz.*, 1874, p. 102 = *P. platygaster*
Denny. (*Charadrius* spp.)
228. *senegalensis* Rudow, *Beiträge*, 1869, p. 10.
(*Lamprocolius nitens*.)
229. *serenus* Rudow, *Beitrag*, 1869, p. 16.
(*Loxia* sp., Japan.)
138. *serratus* Gervais, *Aptères*, iii, 1844, p. 341, Pl. 49, f. 3.
(*Corvus monedula*) = *P. guttatus* Nitzsch.
230. *serrilimbus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 427.
(*lynx torquilla*.)
231. *setifer* Piaget, *Pédiculines*, Suppl., 1885, p. 8, Pl. 1, f. 9.
(*Epimachus niger*.)
232. *setosus* Piaget, *Pédiculines*, 1880, p. 74, Pl. 5, f. 7.
(*Tropidorhynchus moluccensis*.)
233. *sialii* Osborn, *Bull. Div. Ent.*, 1896, p. 220.
(*Sialia sialis*.)
234. *singularis* Kell. & Chap., *New Mallophaga*, iii, 1899, p. 61, Pl. 5,
f. 5. (*Dryobates nuttalli*.)
235. *snyderi* Kellogg and Paine, *Ent. News*, xxi, 1910, p. 124, f.
(*Sterna lunata*.)
236. *spathulatus* Giebel, *Ins. Epiz.*, 1874, p. 73.
(*Milvus ater*) [121].
139. *speotyti* Osborn, *Bull. Div. Ent.*, 1896, p. 222, f. 144.
(*Speotyto cunicularia*) = *P. syrni* Packard.
140. *sphenophorus* Nitzsch, in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866,
p. 361. (*Platalea leucorodia*) = *P. plataleae* Denny.
237. *splendens* Giebel, *Ins. Epiz.*, 1874, p. 79.
(*Strix pygmaea*.)
141. *sternae* Linné, *Syst. Nat.*, 1758, p. 612. Identity uncertain.
L. H. (*Sterna* spp.)
142. *stridulae* Leach MS., in Denny, *List Brit. An.*, 1852, p. 13. *Nom.*
nud. = *P. cursor* Nitzsch.
143. *strigis* O. Fabricius, *Faun. Groenl.*, 1780, p. 216, *nec* Scopoli,
1772. (*Strix* spp.)
144. *struthionis* Gervais, see *Esthiopterum*.
238. *sturni* Schrank, *Beyträge*, 1776, p. 118, Pl. 5, f. 11.
(*Sturnus vulgaris*) [89, 113, 120].
239. *subacutus* Piaget, *Pédiculines*, 1880, p. 68.
(*Lamprotornis* sp.)

145. *subalbicans* Piaget, *Pédiculines*, Suppl., 1885, p. 6, Pl. 1, f. 8.
(*Paradisea papuana*) = *P. papuanus* Giebel.
146. *subcompletus* Burmeister, *Handbuch*, ii, 1838, p. 424, error for
subincompletus, q.v.
147. *subcrassipes* Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 116.
(*Corvus pica*) = *P. picae* Denny.
240. *subflavescens* Geoffroy, *Hist. Abr. Ins.*, ii, 1762, p. 599.
(Small *Passeres*) [6, 17, 30, 35, 37, 38, 39, 40, 49,
55, 63, 74, 79, 103, 115, 117, 118, 119, 129,
133, 134].
241. *subincompletus* Nitzsch, in Giebel, *Ins. Epiz.*, 1874, p. 97, Pl. 12, f. 3.
(*Ciconia maguari*) [146].
242. *sulcatus* Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 149, Pl. 3, f. 2.
(*Ardetta minuta*.)
148. *superciliosus* Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 427.
(*Picus* spp.) = *P. auritus* Scopoli.
243. *syrenii* Packard, *Ann. Rept. U. S. Geol. Surv.*, 1872, p. 733, f. 62.
(*Syrnium nebulosum*) [139].
149. *tadornae* Gervais, in error for *Menopon*, q.v.
244. *taurocephalus* Kellogg, *New Mallophaga*, ii, 1896, p. 471, Pl. 65, f. 1.
(*Archibuteo lagopus*.)
245. *temporalis* Giebel, *Ins. Epiz.*, 1874, p. 102.
(*Vanellus cristatus* (*vanellus*)) [44].
246. *testudinarius* Denny, *Anoplur. Brit.*, 1842, p. 96, Pl. 1, f. 6.
(*Numenius arquata*.)
247. *thalassidromae* Denny, *Anoplur. Brit.*, 1842, p. 103, Pl. 2, f. 6.
(*Thalassidroma pelagica*.)
150. *thoracicus* Nitzsch, see *Docophoroides*.
248. *thryptocephalus* Kellogg and Paine, *Rec. Ind. Mus.*, x, 1914, p. 232.
(*Graculus graculus*.)
151. *tinnunculi* Guérin, *Encyc. Meth.*, ? 1818, Pl. 254, f. 1, nec Linné,
1758. (*Falco tinnunculus*.)
152. *tonsus* Rudow, see *Docophoroides*.
249. *trabecula* Piaget, *Pédiculines*, 1880, p. 662, Pl. 54, f. 4.
(*Dicrurus remifer*, *Artamus leucocephalus*.)
250. *transpositus* Kellogg, *New Mallophaga*, ii, 1896, p. 478, Pl. 65, f. 6.
(*Molothrus ater*.)
251. *transversifrons* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 126, Pl. 1,
f. 1. (*Micrastur guerilla*.)
252. *triangularis* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 456.
(*Aquila brachydactylus*.)

253. **triangulifer** Gervais, *Aptères*, iii, 1847, p. 342, Pl. 49, f. 4.
(*Aquila chrysaetus*.)
254. **tricolor** Nitzsch, in Burmeister, *Handbuch*, ii, 1838, p. 424.
(*Ciconia nigra*.)
153. **trigonocephus** Giebel, *Ins. Epiz.*, 1874, p. 63 = *P. brevicollis* Nitzsch.
(*Vultur fulvus*.)
154. **trigonophorus** Giebel, *Ins. Epiz.*, 1874, p. 87 = *P. lanii* Fabricius.
(*Lanius ruficeps*.)
255. **truncatus** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 149, Pl. 3, f. 3.
(*Aulacorrhynchus rubrogularis*.)
256. **turdi** Denny, *Anoplur. Brit.*, 1842, p. 76, Pl. 4, f. 5.
(*Turdus musicus*.)
257. **umbrosus** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 126.
(*Leucopternis semiplumbea*.)
155. **uncinosus** Giebel, see *Degeeriella*.
258. **underwoodi** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 130, Pl. 1, f. 3.
(*Psilorhinus mexicanus*.)
259. **unifasciatus** Piaget, *Pédiculines*, Suppl., 1885, p. 13, Pl. 2, f. 3.
(*Polyborus vulgaris*. ? straggler from stork. L. H.)
260. **uppalensis** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 455.
(*Phaethon aethereus*.)
261. **upupae** Schrank, *Faun. Boic.* 1803, p. 189.
(*Upupa epops*.)
156. **upupae** Denny, see *Degeeriella*.
262. **validus** Kell. & Chap., *New Mallophaga*, iii, 1899, p. 56, Pl. 5, f. 2.
(*Puffinus opisthomelas*.)
157. **vanelli** 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 308.
Nom. nud. (*Vanellus cristatus*.)
263. **variabilis** Denny, *Anoplur. Brit.*, 1842, p. 71, Pl. 3, f. 4.
(*Tringa (Erolia) variabilis*.)
158. **varius** Giebel, 1861, p. 297, see *Degeeriella*.
264. **virgo** Giebel, *Ins. Epiz.*, 1874, p. 79.
(*Strix superciliaris*.)
265. **viridicola** Kellogg, *Brooklyn Sci. Bull.*, ii, 1914, p. 82.
(*Numenius* sp.)
266. **virilis** Piaget, *Pédiculines*, Suppl., 1885, p. 16, Pl. 2, f. 5.
(*Polyborus vulgaris*. ? straggler from gull. L. H.)
159. **vulturinus** Kolenati, *Melet. Ent.*, v, 1846, p. 133, Pl. 19, f. 213, 214.
(*Vultur fulvus*) = *P. brevicollis* Nitzsch.
160. **wallacei** John. & Harr., *Trans. N. Z. Inst.*, xlv, 1912, p. 369, f. 5-6.
(*Charadrius dominicus*) = *P. hawaiiensis*
Kell. & Chap.

Genus 38. *Degeeriella* Neumann.

1. **abrupta** Osborn, *Bull. Div. Ent.*, 1896, p. 229, Pl. 2, f. c.
(*Colinus virginianus*.)
2. **actophila** Kell. & Chap., *New Mallophaga* iii, 1899, p. 78, Pl. 6, f. 4.
(*Calidris arenaria*.)
1. **acuminata** Piaget, see *Rallicola*.
3. **acuta** Piaget, *Pédiculines*, 1880, p. 148, Pl. 12, f. 6.
(*Edolius* sp. Celebes.)
4. **acutangulata** Piaget, *Pédiculines*, 1880, p. 156, Pl. 13, f. 5.
(*Graculus religiosa*.)
2. **acutifrons** Rudow, see *Esthiopterum*.
5. **acutofasciata** Piaget, *Pédiculines*, 1880, p. 172, Pl. 14, f. 5.
(*Plotus melanogaster*.)
3. **aeruginosi** Leach MS., in Denny, *List Brit. An.*, 1852, p. 16. *Nom.*
nud. (*Circus aeruginosus*) = *D. fusca* Nitzsch.
6. **aetherea** Giebel, *Ins. Epiz.*, 1874, p. 301.
(*Simorhynchus microcerus*.)
4. **affinis** Children, *App. Back's Land Expedition*, 1836, p. 537.
(*Tetrao saliceti*) = *D. camerata* Lyonet.
5. **affinis** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 298.
(*Garrulus glandarius*) = *D. glandarii* Denny.
6. **aguiae** Gervais, *Aptères*, iii, 1847, p. 350 = *D. fusca* Nitzsch.
(*Falco aguia*.)
7. **albescens** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 226, Pl. 8, f. 4.
(*Sarcorhamphus gryphus*.)
8. **albida** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 466.
(*Lamprocolius nitens*.)
9. **alcae** Denny, *Anoplur. Brit.*, 1842, p. 137, Pl. 9, f. 1.
(*Alca torda*.)
10. **alchatae** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 472.
(*Pterocles alchata*, *Syrnhaptes paradoxus*.)
11. **alexandrina** Giebel, *Ins. Epiz.*, 1874, p. 156.
(*Charadrius (Aegialitis) alexandrinus*) [49].
12. **alpha** Kellogg, *Brooklyn Sci. Bull.*, ii, 1914, p. 84.
(*Megalestris antarctica*.)
7. **ambigua** Giebel, *Ins. Epiz.*, 1874, p. 119 = *D. magus* Nitzsch.
(*Cassicus cristatus*.)
13. **amblys** Kellogg, *New Mallophaga* ii, 1896, p. 499, Pl. 67, f. 6.
(*Haliaetus leucocephalus*.)
14. **americana** Kell. & Chap., *New Mallophaga* iii, 1899, p. 69, Pl. 5, f. 9.
(*Colymbus nigricollis*.)

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8. *ampullata* Piaget, *Pédiculines*, Suppl., 1885, p. 25, Pl. 3, f. 4.
(*Cyanopoli* **cooki**) = *D. deficiens* Piaget.
9. *anagrapsa* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 376.
(*Sterna leucopareia*) = *D. phaeonota* Nitzsch.
15. *anchorata* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 370.
(*Penelope parrakei*.)
16. *angulata* Piaget, *Pédiculines*, 1880, p. 134, Pl. 11, f. 4.
(*Strix flammea*.)
10. *angulicollis* Giebel, see *Esthioplerum*.
11. *angusta* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 364. *Nom. nud.*
(*Buteo lagopus*.)
17. *angusticeps* Giebel, *Ins. Epiz.*, 1874, p. 154.
(*Hemipodius (Turnix) pugnax*.)
18. *angustifrons* Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 221, Pl. 21,
f. 2. (*Chondestes grammacus*.)
12. *annulata* Nitzsch, see *Philopteris*.
19. *ansata* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 474.
(*Tinamus bannaquira*.)
20. *apiastri* Denny, *Anoplur. Brit.*, 1842, p. 133, Pl. 10, f. 4.
(*Merops apiaster*.)
13. *appendiculata* Piaget, *Pédiculines*, 1880, p. 132, Pl. 11, f. 2.
(*Milvus ater*) = *D. fusca* Nitzsch.
14. *aquiae* 'Gervais,' Kellogg, 1908, see *aquiae*.
21. *arca* Piaget, *Pédiculines*, Suppl., 1885, p. 32, Pl. 4, f. 2.
(*Eurystomus afer*.)
22. *arcella* Piaget, *Pédiculines*, Suppl., 1885, p. 31, Pl. 4, f. 1.
(*Agelastus meleagrides*.)
15. *argentata* 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, xlv, 1878, p. 188.
Nom. nud. (*Perdix (Coturnix) coturnix*.)
23. *argula* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 430.
(*Corvus corax*.)
24. *assimilis* Piaget, *Proc. Ent. Soc. Lond.*, 1890, p. xxiii.
(*Aegialitis asiatica*.)
25. *asymmetrica* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 370.
(*Dromaius novae-hollandiae* [116].)
26. *atopa* Kellogg, *New Mallophaga* iii, 1899, p. 18, Pl. 2, f. 4.
(*Playa cayana*.)
27. *atrimarginata* Kell. and Chap., *New Mallophaga* iii, 1899, p. 75.
(*Larus* spp.)
16. *attenuata* Nitzsch, see *Rallicola*.
28. *audax* Kellogg, *New Mallophaga* iii, 1899, p. 25, Pl. 2, f. 8. .
(*Auriparus flaviceps*.)

29. **aurata** Lyonet, *Mém. du Mus.*, xviii, 1829, p. 272, Pl. 5, f. 9.
(*Larus* sp.) [71]
30. **axypyga** Giebel, *Ins. Epiz.*, 1874, p. 135.
(*Sturnella pyrrhocephala*.)
31. **bicolor** Piaget, *Pédiculines*, 1880, p. 175, Pl. 14, f. 9.
(*Vanellus vanellus*, *Phalaropus lobatus*.)
32. **bicurvata** Piaget, *Pédiculines*, 1880, p. 159, Pl. 13, f. 18.
(*Vidua paradisea*.)
17. **bicuspis** Giebel, *Ins. Epiz.*, 1874, p. 155, Pl. 5, f. 11, 12.
(*Charadrius* spp.) = *D. hiaticulae* Müller.
33. **biguttata** Kellogg and Paine, *Rec. Ind. Mus.*, x, 1914, p. 234.
(*Graculus graculus*.)
34. **bimaculata** Piaget, *Pédiculines*, Suppl., 1885, p. 148, Pl. 16, f. 1.
(*Gymnorhina tibicen*.)
35. **biocellata** Piaget, *Pédiculines*, 1880, p. 666, Pl. 50, f. 2.
(*Pica leucoptera*.)
36. **bipunctata** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1879, p. 466.
(*Corvus scapulatus*.)
37. **birostris** Giebel, *Ins. Epiz.*, 1874, p. 174.
(*Sterna* sp. ? *anaetheta*.)
18. **biseriata** Children, *App. Back's Land Exp.*, 1836, p. 258.
(*Recurvirostra americana*) = *D. testudinaria*
Children.
38. **bisetacea** Piaget, *Pédiculines*, Suppl., 1885, p. 27, Pl. 3, f. 6.
(*Eurycerus prevostii*.)
39. **boephila** Kellogg, *New Mallophaga*, i, 1896, p. 107, Pl. 5, f. 7.
(*Aegialitis vocifera*) [96].
40. **brachythorax** Giebel, *Ins. Epiz.*, 1874, p. 134, Pl. 12, f. 8.
(*Ampelus garrula*.)
41. **bracteata** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 369.
(*Dacelo gigas*.)
42. **brasiliensis** Giebel, *Ins. Epiz.*, 1874, p. 134.
(*Tanagra brasiliensis*.)
43. **brevipes** Piaget, *Pédiculines*, 1880, p. 179, Pl. 15, f. 3.
(*Tringa subarquata*.)
44. **brunnea** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 373.
(*Dromas ardeola*.)
45. **brunneipicta** Giebel, *Zeit. f. ges. Nat.*, xlix, 1877, p. 530.
(*Lophalector vielloti*.)
19. **burmeisteri** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 364. *Nom. nud.*
(*Falco rufipes*.)
20. **buteonivora** Packard, see *Laemobothrion*.

- 45a. **caementica** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 117.
(*Lophophorus refulgens*.)
46. **caliginea** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 144, Pl. 3, f. 2.
(*Turdus grayi*.)
47. **camerata** Nitzsch in Lyonet, *Mém. du Mus.*, xviii, 1829, p. 267, Pl. 4,
f. 6. (*Lyrurus tetrrix*) [4, 94, 107].
21. **candida** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 117 = *D. straminea*
Denny. (*Picus* spp.)
22. **capensis** Rudow, see *Esthiopterum*.
48. **caracarensis** Kellogg and Mann, *Ent. News*, xxxiii, 1912, p. 59.
(*Polyborus lutosus*.)
49. **caspia** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 375.
(*Sterna caspia*) [58].
23. **castanea** Piaget, see *Esthiopterum*.
24. **catenata** 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310.
Nom. nud. (*Turdus torquatus*.)
50. **cedrorum** Piaget, *Pédiculines*, 1880, p. 151, Pl. 12, f. 2.
(*Ampellis cedrorum*.)
25. **cephalotes** Nitzsch, see *Paronchophorus*.
26. **cephaloxys** Nitzsch, see *Philopterus*.
27. **charcoti** Neumann, see *Esthiopterum*.
28. **chelidonia** Schrank, *Faun. Boic.*, 1803, p. 194. Unrecognisable.
(“*Spurschwalbe*.”)
29. **chelura** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 150.
(*Scythrops novaehollandiae*) = *D. lipeuriformis*
Rud.
51. **cingulata** Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 146, Pl. 11, f. 3.
(*Limosa limosa* &c.)
30. **citrina** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 378.
(*Alca torda* &c.) = *D. alcae* Denny.
31. **claviformis** Denny, see *Esthiopterum*.
52. **clypeata** Kellogg and Paine, *Rec. Ind. Mus.*, x, 1914, p. 237.
(*Corvus cornix*.)
53. **colymbina** Scopoli, *Ent. Carn.*, 1763, p. 384.
(*Colymbus* sp.) [50, 112].
32. **complanata** [Piaget] Neumann, see *Goniodes*.
54. **complexiva** Kell. & Chap., *New Mallophaga* iii, 1899, p. 75, Pl. 6, f. 3.
(*Calidris, Tringa* spp.)
55. **coniceps** Piaget, *Pédiculines*, 1880, p. 136, Pl. 11, f. 6.
(*Cranorrhinus cassidix*.)
56. **connexa** Kellogg and Mann, *Ent. News*, xxiii, 1912, p. 13.
(*Phalaropus lobatus*.)

57. **cordata** Osborn, *Bull. Div. Ent.*, 1896, p. 228, Pl. 2, f. a.
(*Limosa* spp.)
58. **crassiceps** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 473.
(*Rhynchotus rufescens*.)
59. ***crassipedalis** *Nom. nov.* for *crassipes* Piaget, 1885, *nec* Denny, 1852.
(*Thinocorus rumicivorus*) [34].
33. *crassipes* Denny, *List Brit. An.*, 1852, p. 21. *Nom. nud.*
34. *crassipes* Piaget, *Pédiculines*, Suppl., 1885, p. 30, Pl. 3, f. 10, *nec*
Denny, 1852. (*Thinocorus rumicivorus*) = *D. crassipedalis*
Harrison.
60. **crinita** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 468.
(*Chrysolophus pictus*.)
61. **cruciata** Burmeister, *Handbuch*, ii, 1838, p. 429.
(*Lanius collurio*.)
35. *cuculi* Denny, *Anoplur. Brit.*, 1842, p. 120, Pl. 10, f. 11.
(*Cuculus canorus*) = *D. latirostris* Burmeister.
62. **cursoria** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 141.
(*Cursorius gallicus*.)
63. **curvilineata** Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 470,
Pl. 29, f. 4. (*Buteo galapagensis*.)
36. *cuspidata* Denny, see *Rallicola*.
64. **cyclothorax** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 429.
(*Fringilla* spp.) [133].
65. **decipiens** Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 125, Pl. 2, f. 2.
(*Recurvirostra avocetta*.)
66. **deficiens** Piaget, *Pédiculines*, Suppl., 1885, p. 23, Pl. 3, f. 3.
(*Cyanopollus cooki*) [8].
67. **delicata** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 368.
(*Emberiza citrinella* &c.) [88].
68. **densilimba** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 368.
(*Carduelis carduelis*.)
69. **dentata** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 143.
(*Platalea* sp.)
37. *depressa* Rudow, see *Esthiopterum*.
70. **diaprepes** Kell. and Chap. *Journ. N. Y. Ent. Soc.*, x, 1902, p. 158,
Pl. 13, f. 4. (*Vestlaria coccinea*.)
71. **dilatatofasciata** Piaget, *Pédiculines*, 1880, p. 147, Pl. 12, f. 4.
(*Eudynamis cyanocephala*.)
38. *diomedee* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom. nud.*
72. **discocephala** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 430.
(*Haliaetus albicilla*, &c.)
39. **dispar** Piaget, see *Esthiopterum*.

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73. **divergens** Neumann, *Bull. Soc. Toulouse*, xxiv, 1890, p. 62.
(*Pezoporus terrestris*.)
74. **docophoroides** Piaget, *Pédiculines*, Suppl., 1885, p. 19, Pl. 2, f. 8.
(*Tchitrea affinis*.)
75. **domestica** Kellogg and Chapman, *New Mallophaga* iii, 1899, p. 93.
(*Hirundo erythrogastra*.)
76. **ductilis** Kell. and Chap., *New Mallophaga* iii, 1899, p. 89, Pl. 6,
f. 8. (*Empidonax difficilis*.)
77. **elliptica** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 371.
(*Glareola* spp.)
40. **elongata** Denny, *Anoplur. Brit.*, 1842, p. 140, Pl. 7, f. 4.
(*Delichon urbica*) = *D. gracilis* Nitzsch.
78. **emarginata** Kell. and Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 159.
(*Anous stolidus*.)
79. **eos** Giebel, *Ins. Epiz.*, 1874, p. 181, *nom. nov.* for *tenuis* Rudow,
1870, *nec* Burmeister, 1838.
(*Cacatua roseicapilla*) [136.]
80. **epustulata** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 133.
(*Accipiter bicolor*.)
81. **erythropteri** Piaget, *Pédiculines*, Suppl., 1885, p. 28, Pl. 3, f. 8.
(*Melittophagus pusillus*.)
82. **eugrammica** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 428.
(*Larus minutus*.)
83. **euprepes** Kell. and Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 21,
Pl. 3, f. 1. (*Arenaria interpres*.)
84. **eustigma** Kellogg, *New Mallophaga* ii, 1896, p. 493, Pl. 67, f. 3.
(*Trochilus (Calypte) annæ*.)
85. **euzonia** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 521.
(*Gypaetus barbatus*.)
86. **exigua** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 366.
(*Ruticilla titys*.)
41. **fallax** Giebel, see *Philopterus*.
42. **farallonii** Kellogg, see *Esthiopterum*.
43. **fasciata** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 468.
(*Hierofalco islandus*) = *D. fusca* Nitzsch.
87. **felix** Giebel, *Ins. Epiz.*, 1874, p. 175.
(*Larus heermani*.)
44. **fenestrata** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 117.
(*Cuculus canorus*) = *D. latirostris* Burmeister.
88. **fimbriata** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 374.
(*Steganopus tricolor*.)

45. *fissa* Burmeister, *Handbuch*, ii, 1838, p. 427 = *D. hiaticulae* Müller.
(*Ægialitis hiaticula* &c.)
46. *flavida* Giebel, *Ins. Epiz.*, 1874, p. 301 = *D. fusca* Nitzsch.
(*Buteo jakal*.)
89. *foeda* Kellogg and Chapman, *New Mallophaga* iii, 1899, p. 87, Pl. 6,
f. 7. (Many *Passerines* U.S.A.)
90. *francisi* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 139, Pl. 2, f. 5.
(*Zarhynchus wagleri*.)
91. *frater* Piaget, *Pédiculines*, 1880, p. 145, Pl. 12, f. 2.
(*Lamprocolius purpureus*.)
92. *frontata* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 378.
(*Colymbus* spp.)
47. *fulicae* Denny, see *Rallicola*.
48. *fulva* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 364. *Nom. nud.*
(*Aquila fulva*.)
93. *fulvofasciata* Grube, *Midd. Sib. Reise*, 1851, p. 475, Pl. 31, f. 1.
(*Tringa* spp.)
94. *fulvoguttata* Mjöberg, *Arkiv f. Zool*, vi, 1910, p. 139.
(*Phalaropus fulcarius*.)
95. *funebria* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 371.
(*Aramus giganteus*.)
96. *furva* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 427.
(*Totanus* spp.) [84, 119].
97. *fusca* Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 118, Pl. 9, f. 8.
(Many *Accipitrines*) [3, 6, 13, 43, 46, 63, 66,
68, 100, 106, 110, 120, 126, 155].
49. *fusca* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 371.
(*Ægialitis alexandrina* &c.) = *D. alexandrina*
Giebel.
98. *fuscofasciata* Grube, *Midd. Sib. Reise*, 1851, p. 475, Pl. 1, f. 1.
(*Tringa* spp.)
99. *fuscolaminulata* Enderlein, *Deutsch. Sudpol. Exp.*, x, ii, 1909, p. 447.
(*Larus dominicanus*.)
50. *fuscomarginata* Denny, *Anoplur. Brit.*, 1842, p. 136, Pl. 10, f. 1.
(*Podiceps auritus*) = *D. colymbina* Scopoli.
100. *galapagensis* Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902,
p. 471, Pl. 29, f. 5.
(*Passerines*, Galapagos.)
51. *galapagensis* Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv., 1902,
p. 474. (*Geospiza* spp.)
52. *gigantica* Kellogg, see *Esthiopterum*.

53. *gigas* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 364. *Nom. nud.*
(*Vultur fulvus*.)
101. *glandarii* Denny, *Anoplur. Brit.*, 1842, p. 129, Pl. 8, f. 3.
(*Garrulus glandarius*) [5].
54. *glauca* Stephens, *Catalogue*, ii, 1829, p. 332. *Nom. nud.*
(*Haematopus ostralegus*.)
102. *gloriosa* Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 467,
Pl. 29, f. 1.
(*Anous stolidus*.)
55. *glyphica* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 304.
Nom. nud. (*Opisthocomus hoazin*.)
103. *goniocotes* Piaget, *Pédiculines*, Suppl., 1885, p. 33, Pl. 4, f. 3.
(*Dacelo gigas*.)
104. *goniodes* Piaget, *Pédiculines*, 1880, p. 665, Pl. 55, f. 1.
(*Coua serriana*.)
105. *gracilis* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 429.
(*Delichon urbica*) [40].
56. *graculae* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom.*
nud.
57. *grammica* Gervais, *Aptères*, iii, 1847, p. 350 = *D. punctata* Nitzsch.
(*Tringa* spp.)
106. *grandiceps* Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 150, Pl. 3, f. 4.
(*Penelopides manillae*.)
58. *grisea* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 466.
(*Sterna caspia*) = *D. caspia* Giebel.
107. *gulosa* Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 117.
(*Certhia familiaris*) [142].
108. *haematopi* Denny, *Anoplur. Brit.*, 1842, p. 126, Pl. x, f. 3.
(*Haematopus ostralegus*.)
59. *halieii* Gurlt, *Arch. f. Naturgesch.*, xxxiii, 1857, p. 310. *Nom. nud.*
109. *hastiformis* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 136, Pl. 2, f. 2.
(*Trogon caligatus*.)
110. *hawaiiensis* Kell. and Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 159.
(*Charadrius fulvus*.)
111. *hebes* Kellogg, *New Mallophaga* i, 1896, p. 101, Pl. 5, f. 3.
(*Sterna maxima*.)
112. *hectica* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 366.
(*Sericulus melinus*.)
113. *hemichroa* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 372.
(*Himantopus himantopus*.)
114. *heteroscelis* Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 118.
(*Picus martius*.)

115. **heterotypa** Meinert, *Parasites*, 1880, p. 87.
(*Lophophorus refulgens*.)
60. **hexophthalma** Nitzsch, see *Strigiphilus*.
116. **hiaticulae** Müller in O. Fabricius, *Faun. Groen.*, 1780, p. 220.
(*Ægialitis hiaticula*) [17, 45].
117. **holophaea** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 427.
(*Machetes pugnax* &c.)
118. **hoplopteri** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 137.
(*Hoplopterus spinosus*.)
119. **hospes** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 371.
(*Vanellus squatorolus* = *Squatorola helvetica* &c.)
61. **hypoleuca** Nitzsch, see *Esthiopterum*.
120. **iliaci** Denny, *Anoplur. Brit.*, 1842, p. 130, Pl. 9, f. 4.
(*Turdus iliacus*) [64].
121. **illustris** Kellogg, *New Mallophaga* ii, 1896, p. 494, Pl. 67, f. 4.
(*Agelaius phoenicius*.)
122. **immaculata** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 230, Pl. 8, f. 7.
(*Oedicnemus crepitans*.)
123. **imperialis** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 363. *Nom. nud.*
(*Aquila imperialis*.)
62. **inaequalis** Piaget, *Pédiculines*, 1880, p. 176, Pl. 15, f. 1.
(*Numenius arquata*) = *D. phaeopi* Denny.
63. **incerta** Piaget, *Pédiculines*, Suppl., 1885, p. 20, Pl. 2, f. 9.
(*Totanus nebularius*. Straggler from hawk. L.H.)
= *D. fusca* Nitzsch.
124. **incoenis** Kell. and Chap., *New Mallophaga* iii, 1899, p. 81, Pl. 6,
f. 5. (*Squatarola helvetica*.)
125. **infecta** Kell. and Kuw., *Proc. Acad. Nat. Sci. Phila.*, 1900, p. 153,
Pl. 7, f. 2. (*Phalaropus fulicarius*.)
126. **infrequens** Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 220, Pl. 20,
f. 3. (*Calcarius lapponicus*.)
64. **intermedia** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 366.
(*Turdus torquatus*) = *D. iliaci* Denny.
65. **intermedia** Giebel, *Ins. Epiz.*, 1874, p. 169 = *D. mystax* Giebel.
(*Ortygometra porzana*), see *Rallicola*.
127. **interposita** Kellogg, *New Mallophaga* iii, 1899, p. 23, Pl. 2, f. 7.
(*Dendroica bryanti*.)
128. **interrupta** Piaget, *Pédiculines*, 1880, p. 173, Pl. 14, f. 6.
(*Phalacrocorax carbo*.)
129. **junceae** Scopoli, *Ent. Carn.*, 1763, p. 384.
(*Vanellus vanellus*) [143].

130. **juno** Giebel, *Ins. Epiz.*, 1874, p. 137.
(*Coccothraustes europaeus*.)
131. **kilimandjarensis** Kellogg, *Schwed. Exp. Kilimandjaro*, 1910, p. 46,
Pl. 7, f. 3. (*Colymbus capensis*.)
66. **kunzei** Giebel, *Ins. Epiz.*, 1874, p. 125 = *D. fusca* Nitzsch.
(*Falco tinnunculus*.)
132. **lais** Giebel, *Ins. Epiz.*, 1874, p. 134.
(*Luscinia lusciola*.)
67. **lamprotornis** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom.*
nud.
133. **laticeps** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 152, Pl. 3, f. 5.
(*Aulacorhynchus rubrogularis*.)
134. **latifasciata** Piaget, *Pédiculines*, 1880, p. 143, Pl. 11, f. 11.
(*Xulla mangola*.)
135. **latirostris** Burmeister, *Handbuch*, ii, 1838, p. 429.
(*Cuculus canorus*) [35, 44].
136. **lautiuscula** Kell. and Chap., *New Mallophaga* iii, 1899, p. 90,
Pl. 6, f. 9. (*Amphispiza belli*.)
137. **lepida** Kell. and Kuw., *Prov. Wash. Acad. Sc.*, iv, 1902, p. 473,
Pl. 29, f. 7. (*Geospiza fuliginosa* &c.)
138. **leucocephala** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866,
p. 365. (*Corvus albicollis*.)
68. **leucopleura** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 364.
(*Falco brachydactylus*) = *D. fusca* Nitzsch.
139. **ligulata** Neumann, *Bull. Soc. Toulouse*, xxiv, 1890, p. 60.
(*Chrysotis brasiliensis*.)
140. **limbata** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 429.
(*Loxia* spp.) [102.]
141. **lineata** Piaget, *Pédiculines*, 1880, p. 204, Pl. 16, f. 7.
(*Larus sabinei*.)
69. **lineolata** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 376.
(*Larus* spp.) = *D. ornata* Grube.
142. **lingulata** Waterston, *Ann. Sth Afric. Mus.*, x, 1914, p. 285.
(*Larus hartlaubi*.)
143. **lipeuriformis** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 47C
(*Scythrops novaehollandiae*) [29].
70. **lipogona** [Nitzsch] Neumann, *Bull. Soc. Zool. France*, 1914, p. 147,
see *Ornicholax*.
71. **longicollis** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 467.
(*Sterna cantiaeca*) = *D. aurata* Lyonet.
144. **longipes** Piaget, *Pédiculines*, 1880, p. 169, Pl. 13, f. 9.
(*Scissirostrum pagei*.)

145. *longa* Kellogg, *New Mallophaga*, ii, 1896, p. 160, Pl. 13, f. 9.
(*Tachycineta bicolor*.)
146. *lota* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 371.
(*Cursorius isabellinus*.)
147. *lucida* Kellogg and Mann, *Ent. News*, xxiii, 1912, p. 60.
(*Limosa fedoa*.)
72. *lugens* Giebel, see *Rallicola*.
73. *lunata* Schilling, Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310.
Nom. nud.
74. *luprepes* Kellogg and Chapman, error for *euprepes*, q.v.
148. *macrocephala* Waterston, *Ann. S. Afr. Mus.*, x, 1914, p. 284,
Pl. 25, f. 2, 5. (*Aegialitis* spp.)
149. *magnocephala* Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 218,
Pl. 20, f. 4. (*Gallinago delicata*.)
150. *magus* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 301.
(*Cassicus cristatus*) [7].
151. *major* Kellogg, *New Mallophaga* iii, 1899, p. 15, Pl. 2, f. 2.
(*Tringa* sp.)
152. *mandarina* Giglioli, *Quart. Journ. Micr. Sci.*, iv, 1864, p. 22.
(*Merula mandarina*.)
153. *marginalis* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 431.
(*Turdus pilaris*.)
154. *marginata* Burmeister, *Handbuch*, ii, 1838, p. 429.
(*Turdus pilaris*.)
75. *marginata* Osborn, *Bull. Div. Ent.*, 1896, p. 228, Pl. 2, f. 6, *nec*
Burmeister, 1838.
(*Ceophloeus pileatus*) = *marginatula* Harrison.
155. **marginatula* *Nom. nov.* for *marginata* Osborn, 1896, *nec* Bur-
meister, 1838. (*Ceophloeus pileatus*) [75].
156. *marginella* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 368.
(*Prionornis momota*.)
157. *maritima* Kell. & Chap., *New Mallophaga* iii, 1899, p. 72, Pl. 6, f. 1.
(Several *Alcidae*.)
158. *melanococa* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 141, Pl. 2, f. 6.
(*Piranga bidentata*.)
76. *melanonyx* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom.*
nud.
77. *melanophrys* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 369.
(*Upupa epops*) = *D. upupae* Denny.
78. *menura* Le Souëf and Bullen, *Vict. Nat.*, xviii, 1902, p. 157, f. 7.
(*Menura superba*) = *D. menuraelyrae* Coinde.

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159. **menuraelyrae** Coinde, *Bull. Soc. Imp. Nat. Mosc.*, xxxii, 1859, p. 424. (*Menura superba*) [78, 95, 130, 131].
79. **meropis** 'Denny,' Gurlt, 1857, p. 310, see *Philoptyerus*.
80. **merulae** Leach MS., in Denny, *List. Brit. An.*, 1852, p. 18. *Nom. nud.* = *D. merulensis* Denny.
160. **merulensis** Denny, *Anoplur. Brit.*, 1842, p. 128, Pl. 7, f. 1. (*Turdus merula*.)
161. **minhaensis** Kell. & Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 157, Pl. 13, f. 2. (*Acridotheres tristis*.)
81. **mesomelas** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 174 = *D. nycthemera* Nitzsch. (*Sterna minuta*.)
82. **minuta** Nitzsch, see *Rallicola*.
162. **modularis** Piaget, *Pédiculines*, 1880, p. 151. (*Accentor modularis*.)
163. **munda** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 366. (*Oriolus galbula*.)
83. **mystax** Giebel, see *Rallicola*.
84. **naumanni** Giebel, *Ins. Epiz.*, 1874, p. 163 = *D. furva* Nitzsch (*Totanus gilvipes*.)
164. **nebulosa** Burmeister, *Handbuch*, ii, 1838, p. 429. (*Sturnus vulgaris*.)
165. **nesiotes** Kellogg and Mann, *Ent. News*, xxiii, 1912, p. 60. (*Haematopus* (? *Haemophila*) *bachmani*. ? Straggler from Toucan.)
166. **nigrescens** Evans, *Scottish Naturalist*, 1912, p. 280. (*Lagopus mutus*.)
167. **nigricans** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 471. (*Grus (Balearica) pavonina*.)
168. **nigrolimbata** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 135. (*Scolopax* sp.)
169. **nigromarginata** Piaget, *Pédiculines*, 1880, p. 166, Pl. 14, f. 1. (*Euplocamus (Gennaeus) horsfieldi*.)
170. **nigropicta** Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 219, Pl. 21, f. 1. (*Pica pica hudsonica*.)
171. **nigrosignata** Piaget, *Pédiculines*, 1880, p. 157, Pl. 13, f. 6. (*Gracula javanensis*.)
85. **nisa** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 364. *Nom. nud.*
86. **nitzschi** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 364. *Nom. nud.*
87. **nitzschi** Ponton, *Month. Micr. Journ.*, vi, 1871, p. 8, Pl. 91, f. 2. (*Ptilonorhynchus holosericeus*) = *D. pontoni* J. and H.

88. *nivalis* Giebel, *Ins. Epiz.*, 1874, p. 140 = *D. delicata* Nitzsch.
(*Emberiza nivalis*.)
172. *normifer* Grube, *Midd. Sib. Reise*, ii, 1851, p. 478, Pl. 1, f. 8.
(*Lestris richardsoni*) [141].
89. *nuda* Giebel, *Zeit. f. ges. Nat.*, lii, 1877, p. 475. *Nom. nud.*
90. *numidae* Denny, see *Lipeurus*.
173. *numenii* Denny, *Anoplur. Brit.*, 1842, p. 144, Pl. 9, f. 6.
(*Numenius arquata*.)
174. *nycthemera* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 428.
(*Sterna minuta*) [81, 150].
175. *obliqua* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 148.
(*Uria troile*.)
176. *obscura* Burmeister, *Handbuch*, ii, 1838, p. 427.
(*Totanus glareola*.)
177. *obtusa* Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 468,
Pl. 29, f. 2. (*Sterna fuliginosa*.)
178. *ochropi* Denny, *Anoplur. Brit.*, 1842, p. 134, Pl. 11, f. 12.
(*Totanus ochropus*.)
179. *ochropyga* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 372.
(*Haematopus ostralegus*.)
180. *oculata* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 465.
(*Bubo virginianus*.)
181. *oedicephali* Denny, *Anoplur. Brit.*, 1842, p. 138, Pl. 7, f. 8.
(*Oedicephalus crepitans*.)
182. *olivacea* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 431.
(*Nucifraga caryocatactes*.)
183. *oliveri* Johnston and Harrison, *Trans. N. Z. Inst.*, xliv, 1912, p. 367,
f. 3. (*Numenius variegatus*.)
184. *opaca* Kellogg and Chapman, *New Mallophaga* iii, 1899, p. 83,
Pl. 6, f. 6. (*Aegialitis semipalmata*.)
91. *opisthocomi* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom.*
nud.
185. *opisthotoma* Kellogg, *Schwed. Exp. Kilimandjaro*, 1910, p. 46,
Pl. 7, f. 4. (*Himantopus himantopus*.)
186. *oraria* Kellogg, *New Mallophaga* i, 1896, p. 104, Pl. 5, f. 5.
(*Charadrius dominicus*.)
92. *orioli* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom.*
nud.
187. *ornata* Grube, *Midd. Sib. Reise*, ii, 1843, p. 477, Pl. 31, f. 4.
(*Larus canus*) [69, 127].
188. *ornatissima* Giebel, *Ins. Epiz.*, 1874, p. 144.
(*Agelalus phoenicurus*.)

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189. **orphea** Osborn, *Bull. Div. Ent.*, 1896, p. 227.
(*Galeoscoptes carolinensis*.)
190. **ovalis** Neumann, *Bull. Soc. Toulouse*, xxiv, 1890, p. 61.
(*Dasyptilus pesqueti*, *Eclectus polychlorus*.)
191. **oxypyga** Giebel, *Ins. Epiz.*, 1874, p. 135.
(*Sturnella pyrrhocephala*.)
192. **pacifica** Kellogg and Chapman, *New Mallophaga* iii, 1899, p. 70,
Pl. 5, f. 8. (*Lunda cirrhata*.)
193. **pallida** Piaget, *Pédiculines*, 1880, p. 144, Pl. 11, f. 12.
(*Ptilonorhynchus buccoides*.)
93. *pallida* Osborn, *Bull. Div. Ent.*, 1896, p. 227, nec Piaget, 1880.
(*Habia* (? *Lanius*) *ludoviciana*) = *D. pallidula* Harrison.
94. *pallidovittata* Grube, *Midd. Sib. Reise*, ii, 1843, p. 474, Pl. 31, f. 3.
(*Tetrao urogallus*) = *D. camerata* Lyonet.
194. ***pallidula** *Nom. nov.* for *pallida* Osborn, 1896, nec Piaget, 1880.
(*Habia* (? *Lanius*) *ludoviciana*) [93].
195. **paludicola** Kell. and Kuw., *Proc. Wash. Acad. Sci.*, iv, 1902, p. 469,
Pl. 29, f. 3. (*Butorides plumbeus*.)
196. **paraboliceps** Piaget, *Pédiculines*, 1880, p. 135, Pl. 11, f. 5.
(*Microglossus aterrimus*.)
95. *paraboliceps* Piaget, *Tijd. v. Ent.*, xxxiii, 1889, p. 224.
(*Menura superba*) = *D. menuraelyrae* Coinde.
197. **parabolocybe** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 137, Pl. 2, f. 3.
(*Muscivora tyrannus*.)
198. **paradoxa** Giebel, *Ins. Epiz.*, 1874, p. 165.
(*Phalaropus hyperboreus*) [132].
96. *parallela* Osborn, *Bull. Div. Ent.*, 1896, p. 229, Pl. 2, f. d.
(*Aegialitis vocifera*) = *D. boephila* Kellogg.
97. *parvula* Piaget, see *Rallicola*.
199. **peninsularis** Kellogg, *New Mallophaga* iii, 1899, p. 21, Pl. 2, f. 9.
(*Phainopepla nitens*.)
200. **phaeonota** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 375.
(*Sterna* spp.)
201. **phaeopi** Denny, *Anoplur. Brit.*, 1842, p. 144, Pl. 10, f. 7.
(*Numenius phaeopus*) [62, 98].
98. *phaeopodis* Giebel, *Ins. Epiz.*, 1874, p. 166 = *phaeopi* Denny.
202. **phalaropi** Denny, *Anoplur. Brit.*, 1842, p. 139, Pl. 8, f. 6.
203. **plyctopyga** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 526.
(*Pernis apivorus*.)
204. **picta** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 145.
(*Uria grylle*.)

205. **picturata** Osborn, *Bull. Div. Ent.*, 1896, p. 226.
(*Sturnella magna*.)
99. **pilea** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 373.
(*Recurvirostra avocetta*) = *D. testudinaria* Children.
206. **platyclypeata** Piaget, *Pédiculines*, 1880, p. 145, Pl. 12, f. 1.
(*Motacilla alba*.)
100. **platyrhyncha** Lyonet, *Mém. Mus.*, xviii, 1829, p. 270, Pl. 5, f. 4.
(*Accipiter nisus*) = *D. fusca* Nitzsch.
101. **ploti** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom. nud.*
207. **podicipis** Denny, *Anoplur. Brit.*, 1842, p. 142, Pl. x, f. 9.
(*Podiceps* spp.)
208. **pontoni** Johnston and Harrison, *Proc. Roy. Soc. Queensland*, xxiv, 1912, p. 12. (*Ptilonorhynchus holosericeus*) *Nom. nov.* for *D. nitzschi* Ponton, *nec* Giebel [87].
209. **praestans** Kellogg, *New Mallophaga* i, 1896, p. 99, Pl. 5, f. 1, 2.
(*Sterna maxima*.)
102. **propinqua** Giebel, *Ins. Epiz.*, 1874, p. 136 = *D. limbata* Nitzsch.
(*Loxia pityopsittacus*.)
210. **pseudonirmus** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 167.
(*Numenius arquata*.)
211. **pseudophaea** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 142, Pl. 3, f. 1.
(*Pezopetes capitalis*. Straggler from hawk.)
103. **psittaci** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom. nud.*
104. **pteroclis** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom. nud.*
212. **ptiliogonis** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 143.
(*Ptiliogonys caudatus*.)
213. **punctata** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 428.
(*Larus* spp.) [57].
105. **punctata** Giebel, *Ins. Epiz.*, 1874, p. 156 = *D. punctulata* Giebel.
(*Charadrius morinellus*.)
214. **punctulata** Giebel, *Ins. Epiz.*, 1874, p. 301, *nom. nov.* for *punctata* Giebel, *nec* Nitzsch.
(*Charadrius morinellus*) [105].
215. **quadrangularis** Rudow, *Beitrag*, 1869, p. 18.
(*Corvus scapulatus*.)
106. **quadraticollis** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 469 = *D. fusca* Nitzsch. (*Falco rufipes*.)
216. **quadrilineata** Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 117.
(*Parus caudatus*.)
217. **quadrisetacea** Piaget, *Pédiculines*, 1880, p. 668, Pl. 55, f. 5.
(*Rhynchaea variegata*.)

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107. *quadrulata* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 370.
(*Tetrao urogallus*) = *D. camerata* Lyonet.
218. *rallina* Denny, *Anoplur. Brit.*, 1842, p. 137, Pl. 8, f. 7.
(*Rallus aquaticus*.)
219. *rava* Kellogg, *New Mallophaga* iii, 1899, p. 14, Pl. 2, f. 1.
(*Actitis macularia*.)
108. *recurvirostrae* Linné, *Syst. Nat.*, 1758, p. 613. Not recognisable.
109. *recurvirostrae* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom. nud.*
110. *regalis* Giebel, *Ins. Epiz.*, 1874, p. 127 = *D. fusca* Nitzsch.
(*Milvus regalis*.)
220. *rhamphasti* Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 135, Pl. 2, f. 1.
(*Rhamphastos tocara*.)
221. *ridgwayi* Kellogg, *Trans. Amer. Ent. Soc.*, xxxii, 1906, p. 317.
(*Haematopus galapagensis*.)
111. *rostrata* Giebel, see *Philopterus*.
222. *rotundata* Osborn, *Bull. Div. Ent.*, 1896, p. 226.
(*Corvus americanus*.)
223. *rufa* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 430.
(*Falco tinnunculus* and other hawks.)
224. *ruficeps* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 367.
(*Fringilla montana*.)
112. *runcinata* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 386.
(*Podiceps cristatus*) = *D. colymbina* Scopoli.
225. *sacra* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 375.
(*Ibis sacra*.)
226. *satelles* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 365.
(*Epimachus regius*.)
227. *scalaris* Piaget, *Pédiculines*, 1880, p. 190, Pl. 17, f. 2.
(*Machetes pugnax*.)
228. *scolopacis* Denny, *Anoplur. Brit.*, 1842, p. 149, Pl. 11, f. 8.
(*Scolopax gallinago*) [144, 147].
229. *sculpta* Kolenati, *Sitzber. Math. Nat. Akad. Wiss. Wien*, xxix, 1858, p. 249, Pl., f. 6.
(*Diplopterus naevius*.)
230. *secondaria* Osborn, *Bull. Div. Ent.*, 1896, p. 227.
(*Corvus americanus*.)
231. *sellata* Burmeister, *Handbuch*, ii, 1838, p. 428.
(*Sterna hirundo*) [114, 123].
113. *sellata* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 470, *nec* Burmeister.
(*Phasianus lineatus*) = *D. subsellata* Harrison.

114. *selliger* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 376.
(*Sterna hirundo*) = *D. sellata* Burmeister.
232. *semiannulata* Piaget, *Tijd. v. Ent.*, xxvi, 1883, p. 156.
(*Gymnorhina leuconota*.)
115. *semicineta* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom. nud.*
233. *semicingulata* Piaget, *Tijd. v. Ent.*, xxxiii, 1889, p. 231, Pl. 8, f. 8.
(*Strepsilas collaris*.)
234. *semifissa* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 372.
(*Himantopus rufipes*.)
235. *separata* Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 472, Pl. 29, f. 6. (*Passerines*, Galapagos.)
236. *seta* Piaget, *Pédiculines*, 1880, p. 667, Pl. 55, f. 4.
(*Muscicapa* sp. Celebes.)
116. *setosa* Le Souëf and Bullen, *Vict. Nat.*, xviii, 1902, p. 157, f. 5, 6.
(*Dromaeus novaehollandiae*) = *D. asymmetrica* Nitzsch.
117. *setosa* Giebel, see *Pelmatocerandra*.
118. *setosa* [Piaget] Neumann, see *Ornicholax*.
237. *sexmaculata* Piaget, *Pédiculines*, 1880, p. 666, Pl. 55, f. 3.
(*Dicrurus retifer*.)
238. *signata* Piaget, *Pédiculines*, 1880, p. 186, Pl. 15, f. 8.
(*Recurvirostra avocetta*.)
119. *similis* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 374 = *D. furva* Nitzsch. (*Totanus glottis*.)
239. *simplex* Kellogg, *New Mallophaga* ii, 1896, p. 492, Pl. 67, f. 2.
(*Merula migratoria*.)
120. *socialis* Giebel, *Ins. Epiz.*, 1874, p. 127 = *D. fusca* Nitzsch.
(*Circus cineraceus*.)
121. *spinosa* [Piaget] Neumann, see *Goniodes*.
240. *splendida* Kellogg, *New Mallophaga*, iii, 1899, p. 16, Pl. 2, f. 3, 6.
(*Polyborus cheriway*.)
122. *squalida* Nitzsch (1861), see *Esthiopterum*.
123. *stellata* Gervais, *Aptères*, iii, 1847, p. 346 = *D. sellata* Burmeister.
124. *stenopyga* Nitzsch, see *Acidoproctus*.
125. *stenopyx* Burmeister, see *Acidoproctus*.
126. *stenorhyncha* Giebel, *Ins. Epiz.*, 1874, p. 129 = *D. fusca* Nitzsch.
(*Milvus aetolius*.)
241. *stenozona* Kell. and Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 158, Pl. 13, f. 3. (*Munia nisoria*.)
242. *stictochroa* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 374.
(*Dromas ardeola*.)

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243. *straminea* Denny, *Anoplur. Brit.*, 1842, p. 139, Pl. 8, f. 9.
(*Picus* spp.) [21].
244. *strepsilaris* Denny, *Anoplur. Brit.*, 1842, p. 135, Pl. 11, f. 4.
(*Strepsilas interpres*) [128].
127. *striolata* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 377.
(*Larus glaucus*) = *D. ornata* Grube.
245. *subacuta* Piaget, *Pédiculines*, 1880, p. 137, Pl. 11, f. 7.
(*Scissirostrum pagel.*)
128. *subcingulata* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 372.
(*Strepsilas interpres*) = *D. strepsilaris* Denny.
246. *subcuspidata* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 430.
(*Coracias garrula.*)
129. *subfusca* 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, xliv, 1878. *Nom. nud.*
130. *submarginalis* Burmeister, *Handbuch*, ii, 1838, p. 431 = *D. menuraelyrae* Coinde. *Nom. nud.*
(*Menura superba.*)
131. *submarginella* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, 368. (*Menura superba*) = *D. menuraelyrae* Coinde.
132. *subscalaris* Piaget, *Pédiculines*, 1880, p. 189, Pl. 17, f. 1 = *D. paradoxa* Giebel. (*Phalaropus hyperboreus.*)
247. **subsellata* *nom. nov.* for *sellata* Rudow, 1870, *nec* Burmeister, 1838.
(*Phasianus lineatus*) [113].
133. *subtilis* Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 137.
(*Fringilla montana*) = *D. cyclothorax* Nitzsch.
248. *sulphurea* Giebel, *Zeit. f. ges. Nat.*, xlvii, 1876, p. 528.
(*Trogon* sp.)
134. *superciliosa* Nitzsch, see *Philopterus*.
135. *sylviae* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom. nud.*
249. *taurus* Giebel, *Zeit. f. ges. Nat.*, xlvii, 1876, p. 247.
(*Buceros leucopygus.*)
250. *temporalis* Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 228, Pl. 8, f. 6.
(*Buceros manillensis.*)
251. *tenuis* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 429.
(*Hirundo riparia.*)
136. *tenuis* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 471 = *D. eos* Giebel. (*Cacatua roseicapilla.*)
137. *tessellata* Denny, *Anoplur. Brit.*, 1842, p. 121, Pl. 7, f. 2. Type is an immature specimen, in bad preservation, of a species of *Lipeurus*. Discard.
252. *testudinaria* Children, *App. Back's Land Exp.*, 1836, p. 538.
(*Recurvirostra americana*) [18, 99].

138. *thoracica* Packard, see *Ricinus*.
253. *tinami* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 473.
(*Tinamus bannaquira*.)
139. *tocani* Coinde, *Bull. Soc. Nat. Mosc.*, xxxii, 1859, p. 425. *Nom. nud.*
140. *trabeculus* [Piaget] Neumann, see *Esthiopterum*.
141. *triangulata* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 378.
(*Lestris* spp.) = *D. normifer* Grube.
254. *trimaculata* Piaget, *Pédiculines*, 1880, p. 174, Pl. 14, f. 8.
(*Ciconia leucocephala*.)
142. *trimarginis* Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 222, Pl. 20, f. 2. (*Certhia familiaris montanus*) = *D. gulosa* Nitzsch.
143. *tringae* Schrank, *Faun. Boic.*, 1803, p. 190 = *D. juncea* Scopoli.
(*Tringa* spp.)
255. *trinota* Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 227, Pl. 8, f. 5.
(*Macrocerus macao*.)
144. *tristis* Giebel, *Ins. Epiz.*, 1874, p. 163 = *D. scolopacis* Denny.
(*Scolopax gallinago*.)
145. *tristis* Giebel, *Ins. Epiz.*, 1874, p. 168, *nec* p. 163.
(*Luscinia rubecula*.)
256. *trithorax* Burmeister, *Handbuch*, ii, 1838, p. 429.
(*Fringilla cucullata*.)
146. *trochili* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 310. *Nom. nud.*
147. *truncata* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 375.
(*Scolopax gallinago*) = *D. scolopacis* Denny.
148. *turmalis* Denny, see *Esthiopterum*.
257. *tyranna* Osborn, *Bull. Div. Ent.*, 1896, p. 228.
(*Tyrannus* sp. U.S.A.)
258. *umbrina* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 371.
(*Scopus umbretta*.)
259. *unicolor* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 371.
(*Otis tarda*.)
260. *uncinosa* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 430.
(*Corvus cornix* &c.)
149. *upupae* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 311. *Nom. nud.*
150. *urniger* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 315.
(*Sterna minuta*) = *D. nycthemera* Nitzsch.
151. *urogalli* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 311. *Nom. nud.*
152. *vagans* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 364. *Nom. nud.*
(*Astur palumbarius*.)
153. *vanelli* Schrank, *Faun. Boic.*, 1903, p. 190. Not recognisable.

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154. *vanelli* Denny, *Anoplur. Brit.*, 1842, p. 128, Pl. 7, f. 6.
(*Vanellus griseus*.)
261. *varia* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 430.
(*Corvus frugilegus* &c.)
262. *virgata* Kellogg, *New Mallophaga* iii, 1899, p. 19, Pl. 2, f. 5.
(*Amblycercus holosericeus*.)
263. *viscivori* Denny, *Anoplur. Brit.*, 1842, p. 124, Pl. 7, f. 7.
(*Turdus viscivorus*.)
155. *vittata* Giebel, *Ins. Epiz.*, 1874, p. 127 = *D. fusca* Nitzsch.
(*Milvus ater* &c.)
264. *vulgata* Kellogg, *New Mallophaga*, ii, 1896, p. 496, Pl. 67, f. 5.
(Many *Passeres*, U.S.A.)
156. *vulturis* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 311. *Nom. nud.*
265. *xanthocephala* Osborn, *Bull. Div. Ent.*, 1896, p. 224.
(*Xanthocephalus xanthocephalus*.)
266. *zonaria* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 374.
(*Tringa minuta* &c.)

Genus 39. **Psittaconirmus** Harrison.

1. *australis* Harrison, *Parasitology*, vii, 1915, p. 430, f. 7, 12-14.
(*Glossopsittacus*, *Trichoglossus*.)

Genus 40. **Rallicola** Johnston and Harrison.

1. *acuminata* Piaget, *Pédiculines*, Suppl., 1885, p. 27, Pl. 3, f. 7.
(*Ardea agretta*.)
2. *advena* Kellogg, *New Mallophaga* i, 1896, p. 133, Pl. 11, f. 1, 2.
(*Fulica americana* &c.) [3].
3. *affinis* Piaget, *Pédiculines*, 1880, p. 217, Pl. 18, f. 3.
(*Rougetius bernieri*.)
1. *attenuata* Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 134, Pl. 10, f. 2.
(*Crex pratensis*) = *R. ortygometrae* Schrank.
4. *bisetosa* Piaget, *Pédiculines*, 1880, p. 217, Pl. 18, f. 4.
(*Rallina* spp.)
5. *cuspidata* Scopoli, *Ent. Carn.*, 1763, p. 385.
(*Fulica atra*) [2, 4].
6. *faliar* Piaget, *Pédiculines*, 1880, p. 220, Pl. 18, f. 6.
(*Porphyrio melanotus*.)
7. *flavescens* Piaget, *Pédiculines*, Suppl., 1885, p. 37, Pl. 4, f. 7.
(*Himantornis haematopus*.)
2. *fulicae* Denny, *Anoplur. Brit.*, 1842, p. 125, Pl. 9, f. 2.
(*Fulica atra*) = *R. cuspidata* Scopoli.

8. **lugens** Giebel, *Ins. Epiz.*, 1874, p. 170.
(*Porphyrio poliocephalus*.)
9. **major** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 153, Pl. 3, f. 6.
(*Ocydromus lafresnayanus*.)
3. **minutotrabeculata** Osborn, *Bull. Div. Ent.*, 1896, p. 221.
(*Fulica americana*) = *R. advena* Kellogg.
4. **minuta** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 375.
(*Gallinula chloropus* &c.) = *R. cuspidata* Scopoli.
10. **mystax** Giebel, *Ins. Epiz.*, 1874, p. 301.
(*Ortygometra porzana*.)
11. **ortygometrae** Schrank, *Ins. Aust.*, 1781, p. 503.
(*Crex pratensis*) [1].
12. **parvula** Piaget, *Pédiculines*, 1880, p. 669, Pl. 55, f. 6.
(*Gallinula chloropus*.)
13. **porzanae** Piaget, *Pédiculines*, 1880, p. 218.
(*Porzana novaeboracensis*.)
14. **subfallax** Piaget, *Pédiculines*, 1880, p. 221, Pl. 18, f. 7.
(*Porphyrio melanopterus*.)
15. **turbinata** Piaget, *Tijd. v. Ent.*, xxiii, 1888, p. 233, Pl. 8, f. 10.
(*Mycteria senegalensis*.)
16. **unguiculata** Piaget, *Pédiculines*, 1880, p. 671, Pl. 55, f. 8.
(*Eurylaimus cucullatus*.)

Genus 41. **Parricola** Harrison.

1. **sulcata** Piaget, *Pédiculines*, 1880, p. 218, Pl. 18, f. 5.
(*Parra* spp.)

Genus 42. **Aptericola** Harrison.

1. **gadowi** Harrison, *Parasitology*, viii, 1915, p. 90, f. 1, 2.
(*Apteryx australis*, *A. mantelli*.)
2. **gracilis** Harrison, *Parasitology*, viii, 1915, p. 93, f. 6.
(*Apteryx haasti*.)
3. **novae-zealandiae** Harrison, *Parasitology*, viii, 1915, p. 92, f. 3-5.
(*Apteryx lawryi*, *A. oweni*.)

Genus 43. ***Paroncophorus** Harrison.

1. **cephalotes** Piaget, *Pédiculines*, Suppl., 1885, p. 35, Pl. 4, f. 5.
(*Buceros* spp.)
2. **latifrons** Piaget, *Pédiculines*, Suppl., 1885, p. 36, Pl. 4, f. 6.
(*Buceros semifasciatus*.)
3. **major** Piaget, *Pédiculines*, Suppl., 1885, p. 149, Pl. 16, f. 2.
(*Buceros nepalensis*.)

Genus 44. **Strigiphilus** Mjöberg.

1. **heterocerus** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 527.
(*Strix bubo*.)
2. **hexophthalmus** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 528.
(*Strix nyctea*.)
3. **remotus** Kell. and Chap., *New Mallophaga* iii, 1899, p. 107, Pl. 7,
f. 7. (*Scotiaptex cinerea*.)

Genus 45. **Paragoniocotes** Cummings.

1. **abnormis** Kellogg, *Journ. N. Y. Ent. Soc.*, xiv, 1906, p. 46, Pl. 2, f. 3.
(*Ara chloroptera*.)
2. **fasciatus** Piaget, *Pédiculines*, 1880, p. 236, Pl. 19, f. 11.
(*Callopsittacus novaehollandiae*.)
3. **gripocephalus** Cummings, *Ann. Mag. Nat. Hist.*, xvii, 1916, p. 101.
(*Chrysotis augusta*.)

Sub-family *g.* **Acidoproctinae** Harrison.Genus 46. **Acidoproctus** Piaget.

1. **bifasciatus** Piaget, *Tijd. v. Ent.*, xxi, 1878, p. 181, Pl. 12, f. G.
(*Dendrocygna viduata*.)
2. **Kelloggi** Carriker, *Journ. N. Y. Ent. Soc.*, x, 1902, p. 228, Pl. 22,
f. 1, 2. (*Aythya vallisneria*.)
3. **marginatus** Piaget, *Tijd. v. Ent.*, xxi, 1878, p. 179, Pl. 12, f. C.
(*Larus spinicauda*. Straggler. L. H.)
4. **maximus** Piaget, *Tijd. v. Ent.*, xxi, 1878, p. 183, Pl. 12, f. E-F.
(*Dendrocygna arborea*.)
5. **moschatae** Linné, *Syst. Nat.*, 1758, p. 612.
(*Anas moschata*.)
1. **rostratus** Rudow, *Beitrag*, 1869, p. 46 = *A. marginatus* Piaget.
(*Chenalopex aegyptiacus*.)
6. **stenopygus** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 179, Pl. 8, f. 6, 7.
(*Anas rufina*.)
2. **stenopyx** Nitzsch in Burmeister = *stenopygus*, q.v.

Genus 47. **Ornithobius** Denny.

1. **anseris** Gurlt, see *Esthiopterum*.
2. **atromarginatus** Denny, *Anoplur. Brit.*, 1842, p. 185, Pl. 23, f. 3.
(*Cygnus* spp.) = *O. goniopleurus* Denny.
3. **bucephalus** Giebel, *Ins. Epiz.*, 1874, p. 239 = *O. cygni* L.
(*Cygnus* spp.)

1. **cygni** Linné, *Syst. Nat.*, 1758, p. 612.
(*Cygnus* spp.) [3, 4, 6].
4. **cygnorum** Vollenhoven, *Dier. v. Nederland*, 1860, Pl. 8, f. 4, for
cygni, q.v.
2. **fuscus** Le Souëf, *Vic. Nat.*, xix, 1902, p. 91.
(*Chenopsis atratus*.)
3. **goniopleurus** Denny, *Anoplur. Brit.*, 1842, p. 184, Pl. 23, f. 3.
(*Cygnus* spp.) [2].
4. **klinkowstroemi** Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 97.
(*Anser leucopsis*.)
5. **mathisi** Neumann, *Arch. Parasit.*, xv, 1912, p. 382, f. 29.
(*Anser domesticus*.)
5. **minor** 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 311.
Nom. nud. (*Cygnus minor*.)
6. **punctatus** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 139 = *O. cygni* L.
(*Cygnus musicus*.)
7. **rostratus** Rudow, see *Acidoproctus*.

Genus 48. **Bothriometopus** Taschenberg.

1. **macrocnemis** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 382.
(*Palamedea cornuta*.)
2. **simillimus** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 382.
(*Chauna chavaria*.)

Genus 49. **Heteroproctus** Harrison.

1. **hilli** Harrison, *Parasitology*, vii, 1915, p. 394, f. 8-11.
(*Anseranas semipalmata*.)

Sub-family *h.* **Esthiopterinae** Harrison.

Genus 50. **Esthiopterum** Harrison.

1. **abnorme** Piaget, *Pédiculines*, Suppl., 1885, p. 65, Pl. 7, f. 2.
(*Puffinus kuhli*.)
2. **absitum** Kellogg, *Zoologica*, 1910, p. 119, f. 39.
(*Opisthocomus cristatus*.)
1. **abyssinicum** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 379. *Nom.*
nud. (*Buceros* (*Bucorax*) *abyssinicus*.)
3. **acutifrons** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 138.
(*Phalacrocorax capensis*) [26, 42].
4. **aequale** Piaget, *Pédiculines*, 1880, p. 314, Pl. 26, f. 1.
(*Phoenicophaeus calorhynchus*.)

5. **aetheronomum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 517.
(*Sarcorhamphus gryphus*.)
6. **afer** Kellogg, *Schwed. Zool. Exp. Kilimandjaro*, 1910, p. 47,
Pl. 7, f. 5. (*Phalocrocorax africanus*.)
7. **albidum** Piaget, *Pédiculines*, 1880, p. 300, Pl. 24, f. 5.
(*Coracopsis* spp.)
8. **albipes** Piaget, *Pédiculines*, Suppl., 1885, p. 81, Pl. 8, f. 9.
(*Buceros semifasciatus*.)
2. **album** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
3. **album** Le Souëf and Bullen, *Vict. Nat.*, xviii, 1902, p. 157, f. 4, *nec*
Gurlt, 1857. (*Cacatua galerita*) = *E. capreolum* Gervais.
4. **alchatae** Rudow, see *Degeeriella*.
5. **anastomi** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
6. **anatis** Fabricius, *Syst. Ent. Suppl.*, 1798, p. 571 = *E. crassicorne*
Scopoli. (*Anas* spp.)
7. **angulicolle** Giebel, *Ann. Mag. Nat. Hist.*, xvii, 1876, p. 388.
(*Diomedea exulans*) = *E. pederiforme* Dufour.
9. **angusticeps** Piaget, *Pédiculines*, 1880, p. 306, Pl. 25, f. 4.
(*Priofinus cinereus*.)
10. **angustissimum** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 382.
(*Hemipodius pugnax*.)
8. **angustissimum** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 384. *Nom.*
nud. (*Ibis rubra*.)
9. **angustolimbatus** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 386.
(*Anas nigra*) = *E. crassicorne* Scopoli.
10. **angustum** Rudow, *Beitrag*, 1869, p. 34 = *E. columbae* L.
(*Phaps chalcoptera*.)
11. **annulatum** Piaget, *Pédiculines*, 1880, p. 340, Pl. 27, f. 10.
(*Sula fusca*.)
12. **anseris** Linné, *Syst. Nat.*, 1758, p. 612.
(*Anser cinereus*) [36, 37, 38, 71, 72, 130].
13. **antilogum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 383.
(*Otis tetrax*.)
14. **ardeae** Linné *Syst. Nat.*, 1758, p. 613.
(*Ardea cinerea*) [11, 12, 78].
11. **ardeae-cinereae** [Linné] Fabricius, *Syst. Ent.*, 1794, p. 422 = *E.*
ardeae L.
12. **ardealis** 'Erisch,' Scopoli, *Ent. Carn.*, 1763, p. 384 = *E. ardeae* L.
13. **argalum** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 383. *Nom. nud.*
(*Ciconia argala*.)
15. **argentinum** Kellogg, *Journ. N. Y. Ent. Soc.*, xiv, 1906, p. 46, Pl. 2,
f. 2. (*Plegadis guarana*.)

16. **assessor** Giebel, *Ins. Epiz.*, 1874, p. 207.
(*Gypagus papa*.)
17. **asymmetricum** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 132.
(*Chenalopex aegyptiacus*.)
14. **asymmetricum** Piaget, *Pédiculines*, Suppl., 1885, p. 54, Pl. 6, f. 2,
nec Rudow, 1870.
(*Rhea* spp.) = *E. rhae* Harrison.
15. **atromarginatum** [Denny] Giebel, see *Ornithobius*.
18. **australe** Rudow, *Beitrag*, 1869, p. 38.
(*Cereopsis novaehollandiae*.)
19. **atratum** Piaget, *Pédiculines*, 1880, p. 312.
(*Ardea caledonica*.)
16. **bacillum** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 215.
(*Columba* spp.) = *E. columbae* L.
17. **baculum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 379.
(*Columba* spp.) = *E. columbae* L.
18. **bassanae** [Denny] Evans, see *Pectinopygus*.
20. **bergi** Kellogg, *Journ. N. Y. Ent. Soc.*, xiv, 1906, p. 45, Pl. 2, f. 1.
(*Guira guira*.)
21. **bicolor** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 157, Pl. 4, f. 1.
(*Tantalus senegalensis*.)
22. **bifasciatum** Piaget, *Pédiculines*, 1880, p. 342, Pl. 28, f. 1.
(*Pelecanus* spp.)
19. **bilineatum** Stephens, *Syst. Cat.*, ii, 1829, p. 333. *Nom. nud.*
(*Fulmarus glacialis*.)
23. **botaui** Osborn, *Bull. Div. Ent.*, 1896, p. 234.
(*Botaurus lentiginosus*.)
24. **breviceps** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 160, Pl. 4, f. 3.
(*Camptolaemus cinereus*.)
20. **breviceps** Piaget, *Tijd. v. Ent.*, xxxiii, 1889, p. 243, Pl. 9, f. 6.
(*Diomedea exulans*) = *E. pederiforme* Dufour.
25. **brevicorne** Denny, *Anoplur. Brit.*, 1842, p. 181, Pl. 13, f. 8.
(*Phalacrocorax cristatus*.)
21. **brevicorne** Piaget, *Pédiculines*, 1880, p. 337, Pl. 27, f. 6.
(*Phalacrocorax sulcirostris*) = *E. confusum*
Bag. and Hall.
22. **breve** Dufour, see *Docophoroides*.
26. **brevisignatum** Piaget, *Pédiculines*, 1880, p. 336.
(*Phalacrocorax javanicus*.)
23. **brunneum** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
24. **bucephalum** Giebel, see *Ornithobius*.
25. **buceri** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*

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26. *capense* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 469 = *E. acutifrons*
Rudow. (*Phalacrocorax capensis*.)
27. *capitatum* Piaget, *Pédiculines*, Suppl., 1885, p. 63, Pl. 6, f. 9.
(*Ibis hagedasch*.)
28. *capreolum* Gervais, *Aptères*, iii, 1847, p. 353.
(*Cacatua galerita*) [3].
27. *castaneum* Piaget, *Pédiculines*, Suppl., 1885, p. 82, Pl. 9, f. 1.
(*Ciconia leucocephala*) = *E. ciconiae* L.
28. *caudatum* Rudow, *Beitrag*, 1869, p. 31. Not recognisable. Discard.
(*Priocella glacialoides*.)
29. *cavifrons* Taschenberg, *Nova Acta*, 1842, p. 124 = *E. columbae* L.
(*Carpophaga* spp.)
30. *celer* Kellogg, *New Mallophaga*, i 1896, p. 117, Pl. 7, f. 5, 6.
(*Fulmaris glupischa*) = *E. nigrolimbatus* Gb.
29. *chareoti* Neumann, *Exp. Antarct. Franc.*, 1907, p. 15.
(*Pagodroma nivea*.)
30. *ciconiae* Linné, *Syst. Nat.*, 1758, p. 613.
(*Ciconia alba*) [27, 54, 86, 147, 150].
31. *circumfasciatum* Piaget, *Pédiculines*, 1880, p. 301, Pl. 24, f. 6.
(*Platycercus* spp.)
32. *clypeatum* Giebel, *Ins. Epiz.*, 1874, p. 236.
(*Halobaena coerulea*) [111].
31. *coloratum* Piaget, *Pédiculines*, 1880, p. 346 = *E. crassicornis* Scopoli.
(*Anas melanotus*.)
33. *columbae* Linné, *Syst. Nat.*, 1758, p. 614.
(*Columba* spp.) [10, 16, 17, 28, 53].
34. *comstocki* Kell. and Chap., *Journ. N. Y. Ent. Soc.*, x, 1902, p. 23,
Pl. 3, f. 2. (*Rallus virginianus*.)
35. *concinnum* Kell. and Chap., *New Mallophaga* iii, 1899, p. 97, Pl. 7,
f. 2. (*Diomedea albatrus* &c.)
32. *confidens* Kellogg, *New Mallophaga* iii, 1899, p. 26, Pl. 3, f. 1.
(*Diomedea nigripes*) = *E. gigantica* Kellogg.
36. *confusum* Bagnall and Hall, *Journ. Econ. Biol.*, vii, 1912, p. 9.
(*Phalacrocorax sulcirostris*) [21].
33. *constrictum* Kellogg, *New Mallophaga* i, 1896, p. 125, Pl. 8, f. 7, 8.
(*Oidemia* spp.) = *E. crassicornis* Scopoli.
34. *corvi* Packard, see *Philopterus*.
35. *corythaicis* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 379. *Nom. nud.*
(*Corythaix persa*.)
37. *crassicornis* Scopoli, *Ent. Carn.*, 1763, p. 383.
(*Anas* spp.) [6, 9, 31, 33, 41, 56, 62, 76, 87, 99,
119, 126, 135, 136, 141].

36. *crassicorne* Olfers, *De vegetativis* &c., 1816, p. 88 = *E. anseris* L.
(*Anser cinereus*.)
38. *crenatum* Giebel, *Ins. Epiz.*, 1874, p. 237.
(*Fregata* spp.)
37. *cygnoides* Rudow, *Z. f. ges. Nat.*, xxxv, 1870, p. 129 = *E. anseris* L.
(*Cygnopsis cygnoides*.)
38. *cygnopse* Rudow, *Z. f. ges. Nat.*, xxxv, 1870, p. 129 = *E. anseris* L.
(*Cygnopsis cygnoides*.)
39. *dennyi* Giebel, *Ins. Epiz.*, 1874, p. 211 = *E. quadripustulatum*
Nitzsch. (*Aquila chrysaetos*.)
40. *densum* Kellogg, *New Mallophaga* i, 1896, p. 114, Pl. 7, f. 1, 2.
(*Diomedea* spp.) = *E. diomedae* Fabr.
39. *depressum* Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 472.
(*Halleus brasiliensis* = *Phalacrocorax vigua*.)
41. *depuratum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 385.
(*Anas strepera*) = *E. crassicorne* Scopoli.
40. *diomedae* Fabricius, *Syst. Ent.*, 1775, p. 808.
(*Diomedea exulans*) [40, 52].
42. *dispar* Piaget, *Pédiculines*, 1880, p. 174, Pl. 14, f. 7 = *E. acutifrons*
Rudow. (*Phalacrocorax sulcirostris*.)
43. *dispar* Piaget, *Pédiculines*, Suppl., 1885, p. 79, Pl. 8, f. 7 (*nec* 1880).
(*Corythus macrorhynchus*) = *E. distinctum*
Harrison.
41. **distinctum* *nom. nov.* for *dispar* Piaget, 1885, *nec*, 1880.
(*Corythus macrorhynchus*) [43].
42. *diversum* Kellogg, *New Mallophaga* i, 1896, p. 123, Pl. 8, f. 3, 4.
(*Puffinus* spp.) [79].
43. *docophorum* Giebel, *Ins. Epiz.*, 1874, p. 214.
(*Buceros abyssinicus*.)
44. *eatoni* Kellogg, see *Pelmatocerandra*.
45. *ebraeum* Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 435 = *E.*
gruis L. (*Grus communis*.)
46. *elongatum* Packard, *Amer. Nat.*, iv, 1870, p. 95. No host. Not
recognisable. Discard.
47. *elongatum* Piaget, *Pédiculines*, 1880, p. 297, Pl. 24, f. 3, = *E. quadri-*
oculatum N. (*Aquila* spp.)
44. *emarginatum* Piaget, *Pédiculines*, 1880, p. 328, Pl. 28, f. 2.
(*Totanus ochropus*.)
45. *epiphanes* Kellogg and Paine, *Ent. News*, xxii, 1911, p. 21, f. 2.
(“*Desert Curlew*.”)
48. *excavatum* Johnston and Harrison, *Trans. N. Z. Inst.*, xlv, 1912,
p. 366, f. 2. (*Aestrelata neglecta*) = *E. kermadecense* J. and H.

49. *exiguum* Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 479,
Pl. 30, f. 2. (*Oceanites gracilis*) = *E. pelagicum* Denny.
46. *exile* Neumann, *Arch. Parasit.*, xv, 1913, p. 631.
(*Comatibus comata*) [63].
47. *exilicorne* Piaget, *Pédiculines*, 1880, p. 679, Pl. 56, f. 9.
(*Sterna* sp.)
48. *falcicorne* Giebel, *Ins. Epiz.*, 1874, p. 244.
(*Centropus menebecki*.)
49. *farallonii* Kellogg, *New Mallophaga* i, 1896, p. 193, Pl. 5, f. 4.
(*Phalacrocorax penicillatus*.)
50. *fasciatum* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
51. *fasciatum* Piaget, *Pédiculines*, 1880, p. 320 = *E. stellare* Denny.
(*Ardea (Botaurus) stellaris*.)
50. *femoratum* Piaget, *Pédiculines*, 1880, p. 675, Pl. 56, f. 4.
(*Eclectus* sp.)
52. *ferox* Giebel, *Zeit. f. ges. Nat.*, xxix, 1867, p. 195 = *E. diomedea*
Fabricius. (*Diomedea melanophrys*.)
53. *filiforme* Olfers, *De vegetativis* etc., 1816, p. 90 = *E. columbae* L.
(*Columba livia*.)
54. *fissomaculatum* Giebel, *Ins. Epiz.*, 1874, p. 225 = *E. ciconiae* L.
(*Mycteria crumenifera*.)
51. *foedum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 387.
(*Psophia crepitans*.)
52. *forcipatum* Piaget, *Pédiculines*, Suppl., 1885, p. 72, Pl. 8, f. 1.
(*Buceros albocristatus*.)
53. *forficula* Piaget, *Pédiculines*, Suppl., 1885, p. 83, Pl. 9, f. 2.
(*Epimachus albus*.)
54. *forficulatum* *Zeit. f. ges. Nat.*, xxviii, 1866, p. 386.
(*Pelecanus* spp.)
55. *forficuloides* Neumann, *Bull. Soc. Toulouse*, xxiv, 1890, p. 65.
(*Platycercus multicolor*.)
56. *forte* Taschenberg, *Nova Acta*, xlv, 1882, p. 126, Pl. 3, f. 11.
(*Otidiphaps nobilis*.)
55. *frater* Giebel, *Ins. Epiz.*, 1874, p. 210 = *E. monile* Nitzsch.
(*Neophron percnopterus*.)
56. *frater* Giebel, *Ins. Epiz.*, 1874, p. 242 = *E. crassicorne* Scopoli.
(*Anas glacialis*.)
57. *fulicae* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
57. *fuliginosum* Taschenberg, *Nova Acta*, xlv, 1882, p. 156, Pl. 4, f. 3.
(*Diomedea* spp.) [144.]
58. *fulvofasciatum* Picaglia, *Atti Soc. Ital. Sc. Nat.*, xxviii, 1885, p. 4.
(*Conurus monachus*.)

59. **fulvum** Piaget, *Pédiculines*, Suppl., 1885, p. 70, Pl. 7, f. 7.
(*Thinochorus rumicivorus*.)
58. **gaini** Neumann, *Deux. Exp. Antarct. Fr.*, 1913, p. 192.
(*Macronectes giganteus*) = *E. obscurum* Rudow.
60. **gambense** Piaget, *Pédiculines*, Suppl., 1885, p. 64, Pl. 7, f. 1.
(*Plectropterus gambensis*.)
61. **genitale** Piaget, *Pédiculines*, Suppl., 1885, p. 58, Pl. 6, f. 5.
(*Leptoptilus crumenifer*.)
62. **giganteum** Le Souëf, *Vict. Nat.*, xviii, 1902, p. 156, f. 1.
(*Antigone australasiana*.)
63. **giganticola** Kellogg, *New Mallophaga* i, 1896, p. 105, Pl. 5, f. 6.
(*Diomedea albatrus*) [32, 95].
59. **glyphicum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 304.
Nom. nud. (*Opisthocomus cristatus*.)
60. **goniopleurum** Denny, see *Ornithobius*.
61. **gracile** Packard, *Amer. Nat.*, iv, 1870, p. 95, Pl. 1, f. 6. No host.
Not recognisable. Discard.
62. **gracile** Giebel, *Ins. Epiz.*, 1874, p. 242 = *E. crassicorne* Scopoli.
(*Anas spectabilis*.)
63. **gracile** Neumann, *Arch. Parasit.*, xv, 1912, p. 377, f. 21, 22.
(*Comatibis comata*) = *E. exile* Neumann.
64. **gracilentum** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 244, Pl. 9, f. 7.
(*Ibis rubra*.)
65. **gracilicorne** Piaget, *Pédiculines*, 1880, p. 309, Pl. 25, f. 6.
(*Fregata minor*.)
64. **grande** Piaget, *Pédiculines*, 1880, p. 323, Pl. 26, f. 7 = *E. modestum*
Giebel. (*Lestris* spp.)
66. **gruis** Linné, *Syst. Nat.*, 1758, p. 613.
(*Grus communis (grus)*) [45, 66, 91].
67. **gurlti** Taschenberg, *Nova Acta*, xlv, 1882, p. 151, Pl. 5, f. 6.
(*Daption capense*) [83].
65. **gypogerani** Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 279. *Nom. nud.*
(*Gypogeranus (Serpentarius) serpentarius*.)
68. **gyricorne** Denny, *Anoplur. Brit.*, 1842, p. 167, Pl. 25, f. 1.
(*Sula australis*.)
69. **gyrocerum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 386.
(*Halleus brasiliensis* = *Phalacrocorax vigua*.)
66. **hebraeum** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 226, Pl. 16, f. 5, 6.
(*Grus* spp.) = *E. gruis* L.
70. **helleri** Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 479,
Pl. 30, f. 3. (*Sula* spp.)

71. **helvolum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 433.
(*Scolopax rusticola*.)
67. **hexophthalmum** Nitzsch, see *Paroncophorus*.
72. **houbarae** Barthélemy, *Ann. Soc. Ent. Fr.*, v, 1836, p. 689, Pl. 20, f. B
(*Otis houbara*.)
73. **hyalinum** Neumann, *Brit. Antarct. Exp.*, 1911, p. 21, f.
(*Diomedea exulans*.)
74. **hypoleucum** Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 141, Pl. 6,
f. 8. (*Caprimulgus europaeus*.)
75. ***ibidis** *Nom. nov.* for *ibis* Le Souëf and Bullen, 1902, *nec* Gurlt, 1857.
(*Ibis molucca*) [69].
68. *ibis* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
69. *ibis* Le Souëf and Bullen, *Vict. Nat.*, xviii, 1902, p. 156, f. 2, *nec*
Gurlt, 1857. (*Ibis molucca*) = *E. ibidis* Harrison.
76. **infuscatum** Osborn, *Bull. Div. Ent.*, 1896, p. 234, Pl. 2, f. e, f.
(*Philohela minor*, *Bartramia longicauda*.)
70. **intermedium** Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom.*
nud.
77. **interruptofasciatum** Piaget, *Pédiculines*, 1880, p. 302, Pl. 24, f. 7.
(*Eclectus* spp.)
71. **jejunum** Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 177, Pl. 15, f. 4.
(*Anser* spp.) = *E. anseris* L.
78. **kea** Kellogg, *Psyche*, 1907, p. 122.
(*Nestor notabilis*.)
79. **kermadecense** John. & Harr., *Trans. N. Z. Inst.*, xliv, 1912, p. 365,
f. 1. (*Aestrelata neglecta*) [48].
72. **lacteum** Giebel, *Ins. Epiz.*, 1874, p. 243 = *E. anseris* L.
(*Anas tadorna*.)
73. **laculatum** Kellogg and Chapman, *New Mallophaga* iii, 1899, p. 93,
Pl. 7, f. 1. (*Stercorarius* spp.) = *E. modestum* Giebel.
74. **laeve** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 140 = *E. pederiforme*
Dufour. (*Diomedea* sp.)
75. **languidum** Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 475,
Pl. 29, f. 8. (*Oceanites gracilis* &c.) = *E. pelagicum* Denny.
80. **latum** Piaget, *Pédiculines*, 1880, p. 330, Pl. 25, f. 1.
(*Rhea americana*.)
76. **lepidotum** Rudow (? ref. as in No. 99, p. 139).
(*Aix sponsa*) = *E. crassicorne* Scopoli.
81. **lepidum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 383.
(*Anastomus coromandelicus*) [133].
77. **lepturum** Enderlein, *Deutsch. Süd-polar Exp.*, x, 1909, p. 453.
(*Diomedea* sp.) = *E. obscurum* Rudow.

82. **leucoproctum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 384.
(*Ardea purpurea*.)
78. **leucopygum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 434.
(*Ardea cinerea*) = *E. ardeae* L.
79. **limitatum** Kellogg, *New Mallophaga* i, 1896, p. 124, Pl. 8, f. 5, 6.
(*Puffinus* spp.) = *E. diversum* Kellogg.
83. **lineare** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 384.
(*Tachydromus isabellinus*) [81].
80. **lineare** Rudow, *Zeit. f. ges. Nat.*, xxxv, 1870, p. 131 = *E. loculator*
Giebel. (*Tantalus loculator*.)
81. **lineatum** Nitzsch in Giebel, *Ins. Epiz.*, 1874, p. 230 = *E. lineare*
Nitzsch. (*Tachydromus isabellinus*.)
84. **loculator** Giebel, *Ins. Epiz.*, 1874, p. 228.
(*Tantalus loculator*) [80].
85. **longiceps** Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 122.
(*Carpophaga* spp.) [106].
86. **longicorne** Piaget, *Pédiculines*, 1880, p. 334, Pl. 27, f. 3.
(*Phalacrocorax carbo*.)
87. **longipes** Piaget, *Pédiculines*, 1880, p. 329, Pl. 28, f. 3.
(*Tinamus obsoletus*.)
82. **longipilum** Kellogg, *New Mallophaga* i, 1896, p. 119, Pl. 7, f. 7.
(*Fulica americana*) = *E. luridum* Nitzsch.
88. **longisetaceum** Piaget, *Pédiculines*, Suppl., 1885, p. 57, Pl. 6, f. 4.
(*Tinamus solitarius*.)
83. **lugubre** Taschenberg, *Nova Acta*, xlv, 1882, p. 153, Pl. 6, f. 9.
(*Sula fiber*. Straggler L.H.) = *E. gurlti* Tasch.
89. **luridum** Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 182, Pl. 10, f. 12.
(*Fulica* spp.) [82, 107].
90. **macgregori** Kellogg, *New Mallophaga* iii, 1899, p. 33, Pl. 3, f. 5, 6.
(*Crotophaga sulcirostris*.)
84. **macilhennyi** Kellogg and Kuwana, *Proc. Acad. Nat. Sc. Philad.*,
1900, p. 155, Pl. 7, f. 3.
(*Diomedea nigripes*) = *E. pederiforme* Dufour.
91. **macrocephalum** Kellogg, *New Mallophaga* ii, 1896, p. 504, Pl. 68, f. 3.
(*Chordeiles virginianus*.)
92. **macrocerum** Piaget, *Pédiculines*, Suppl., 1885, p. 59, Pl. 6, f. 6.
(*Milvago pezoporus*.)
85. **macrocneme** Nitzsch, see *Bothriometopus*.
86. **maculatum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 383.
(*Ciconia nigra*) = *E. ciconiae* L.
87. **majus** Piaget, *Pédiculines*, 1880, p. 346 = *E. crassicorne* Scopoli.
(*Anas gibberiformis*.)

88. *majus* Kellogg, *New Mallophaga* iii, 1899, p. 30, nec Piaget, 1880.
(*Fregata aquila*.)
89. *majus* Kell. and Chap., *New Mallophaga* iii, 1899, p. 101, Pl. 7, f. 3,
nec Piaget, 1880
(*Puffinus* spp.)
90. *majus* Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 477, nec
Piaget, 1880. (*Puffinus subalaris*.)
93. *marginale* Osborn, *Ohio Nat.*, ii, 1902, p. 176, Pl. 14, f. 4.
(*Cathartes aura*.)
94. *marginellum* Piaget, *Pédiculines*, Suppl., 1885, p. 61, Pl. 7, f. 1.
(*Bernicla magellanica*.)
91. *maximum* Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 122 = *E. gruis* L.
(*Grus pavonina*.)
95. *megacerus* Johnston and Harrison, *Proc. Roy. Soc. Queensland*, xxiv.
1912, p. 6. (*Cygnus atratus*.)
96. *megalops* Piaget, *Pédiculines*, 1880, p. 675, Pl. 56, f. 8.
(*Cryptonyx coronatus*.)
92. *melanocneme* Giebel, *Ins. Epiz.*, 1874, p. 233 = *E. obscurum* Rudow.
(*Macronectes giganteus*.)
97. *menura* Le Souëf and Bullen, *Vict. Nat.*, xviii, 1902, p. 157, f. 3.
(*Menura superba*.)
93. *mergi* Fabricius, *Spec. Ins.*, ii, 1781, p. 480 = *E. mergi-serrati*
Degeer. (*Mergus serrator*.)
98. *mergi-serrati* Degeer, *Hist. Ins.*, vii, 1778, p. 78, Pl. 4, f. 13.
(*Mergus serrator*) [93, 143].
94. *meridionale* Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 123. Not
recognisable. Discard.
(*Phoebetria fuliginosa*.)
95. *miriceps* Kell. and Kuw., *Proc. Wash. Acad. Sci.*, iv, 1902, p. 480,
Pl. 30, f. 4. (*Diomedea* sp.) = *E. giganticola* Kellogg.
99. *modestum* Giebel, *Ins. Epiz.*, 1874, p. 210.
(*Lestris pomarina* = *Stercorarius pomatorhina*) [64, 73].
100. *monile* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 519.
(*Neophron monachus*) [55].
96. *mutabile* Piaget, *Pédiculines*, 1880, p. 324, Pl. 27, f. 1 = *E. nigro-*
limbatum Gb. (*Daption capense*.)
97. *nigricans* Rudow, *Beitrag*, 1869, p. 30. Not recognisable. Discard.
(*Aestrelata mollis*.)
101. *nigrolimbatus* Giebel, *Ins. Epiz.*, 1874, p. 233.
(*Daption capense*) [30, 96, 149].
102. *nun* Neumann, *Arch. Parasit.*, xv, 1912, p. 380.
(*Ploceus abyssinicus*.)

98. *nycticoracis* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
99. *nyrocae* Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 128 = *E. crassicornae* Scop. (*Nyroca australis*.)
103. *obscurum* Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 125.
(*Macronectes giganteus*) [58, 77, 92, 146].
100. *obtusum* Stephens, *Syst. Cat.*, ii, 1829, p. 332. *Nom. nud.*
101. *oedicnemi* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
104. *opimum* Piaget, *Pédiculines*, Suppl., 1885, p. 78, Pl. 8, f. 6.
(*Turacus giganteus*.)
105. *oviceps* Piaget, *Pédiculines*, 1880, p. 295, Pl. 24, f. 4.
(Host unknown. ? *Vulture*. L. H.)
102. *pallidum* Piaget, *Pédiculines*, 1880, p. 312, *nec* Giebel, 1866.
(*Ardea albolineata*.)
103. *pallidum* Piaget, *Pédiculines*, 1880, p. 346, *nec* Giebel, 1866.
(*Cygnus buccinator*.)
106. *pallipes* Piaget, *Pédiculines*, Suppl., 1885, p. 56, Pl. 6, f. 3.
(*Platycercus splendens*.)
107. *parumsetosum* Piaget, *Pédiculines*, 1880, p. 676, Pl. 56, f. 7
(*Rhynchaea laevigata*.)
108. *parviceps* Piaget, *Pédiculines*, 1880, p. 321, Pl. 26, f. 6.
(*Sterna hirundo*.)
109. *pederiforme* Dufour, *Ann. Soc. Ent. Fr.*, iv, 1834, p. 676, Pl. 21, f. 4.
(*Diomedea exulans*) [1, 20, 74, 84].
110. *pelagicum* Denny, *Anoplur. Brit.*, 1842, p. 173, Pl. 14, f. 2.
(*Thalassidroma pelagica*) [49, 75, 139].
111. *perplexum* Kellogg and Chapman, *New Mallophaga* iii, 1899, p. 103,
Pl. 7, f. 5. (*Pediocaetes*, *Dendragapus*.)
112. *perspicillatum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 521.
(*Vultur fulvus*.)
104. *phoenicopteri* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
105. *phoenicopteri* Coinde, *Bull. Soc. Nat. Mosc.*, xxxii, 1859, p. 426.
(*Phoenicopterus antiquorum*) = *E. subsignatum* Gb.
106. *piageti* Taschenberg, *Nova Acta*, xlv, 1882, p. 125 = *E. longiceps*
Rudow. (*Carpophaga* spp.)
107. *picturatum* Kellogg, *New Mallophaga* i, 1896, p. 121, Pl. 8, f. 1, 2.
(*Fulica americana*) = *E. luridum* Nitzsch.
113. *plataleae* Linné, *Syst. Nat.*, 1758, p. 613.
(*Platalea leucorodia*) [108].

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108. *platalearum* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 384 = *E. plataleae* L. (***Platalea leucorodia***.)
114. **platyclypeatum** Piaget, *Pédiculines*, 1880, p. 678, Pl. 56, f. 5.
(***Perdix*** sp.)
109. *pluvialis* 'Schrank,' Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309.
Nom. nud.
110. *podicipis* Denny, see *Degeeriella*.
115. **polybori** Rudow, *Beitrag*, 1869, p. 30.
(***Polyborus tharus***.)
116. **porrectum** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 239, Pl. 9, f. 3.
(***Buceros bicornis***.)
117. **potens** Kell. and Kuw., *Proc. Wash. Acad. Sc.*, iv, 1902, p. 477,
Pl. 30, f. 1. (***Sulla*** spp.)
118. **praelongum** Piaget, *Pédiculines*, 1880, p. 312, Pl. 25, f. 7.
(***Tantalus lacteus***.)
111. *prioni* Enderlein, *Deutsch. Sud-polar Exp.*, x, 1909, p. 454.
(***Prion desolatus***) = *E. clypeatum* Giebel.
112. *procellariae* Fabricius, *Syst. Ent.*, 1775, p. 808. Not recognisable.
Discard. (***Procellaria*** sp.)
113. *procellariae* Leach MS., in Denny, *List. Brit. An.*, 1852, p. 26.
Nom. nud.
114. *procellariae* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
115. *pseudoraphidium* Taschenberg, *Nova Acta*, xliv, 1882, p. 128 = *E. raphidium* Nitzsch.
(***Ibis*** sp.)
116. *psittaci* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom. nud.*
117. *pullatum* Nitzsch, see *Pectinopygus*.
118. *punctifer* Gervais, *Aptères*, iii, 1847, p. 353, Pl. 49, f. 1 = *E. quadripustulatum* Nitzsch.
(***Gypaetus barbatus***.)
119. *punctulatum* Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 137 = *E. crassicornis* Scopoli. (***Oidemia fusca***.)
120. *purum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 316.
Nom. nud. (***Anser albifrons***.)
121. *pustulatum* Osborn, 1896, error for *quadripustulatum*, q.v.
119. **quadriguttatum** Giebel, *Ins. Epiz.*, 1874, p. 212.
(***Rostrhamus hamatus***.)
122. *quadrinaculatum* Piaget, *Pédiculines*, 1880, p. 298, Pl. 24, f. 8 = *E. struthionis* Gervais.
(***Struthio camelus, Rhea americana***.)

120. **quadrioculatum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xvii, 1861, p. 522.
(*Haliaetus albicilla*) [47, 140, 148].
121. **quadripustulatum** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 434.
(*Vultur cinereus* &c.) [39, 118, 121].
123. *quadripustulatum* Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 156, Pl. 3,
f. 9, *nec* Nitzsch, 1838.
(*Hydrornis maxima*) = *E. quadripustulosum*
Harrison.
122. ***quadripustulosum** *Nom. nov.* for *quadripustulatum* Piaget, 1888 *nec*
Nitzsch, 1838. (*Hydrornis maxima*) [123].
123. **radiatum** Neumann, *Arch. Parasit.*, xv, 1912, p. 378, f. 23.
(Host unknown.)
124. **raphidium** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 384.
(*Plegadis falcinellus*) [115].
124. *recurvirostrae* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309.
Nom. nud.
125. ***rheae** *Nom. nov.* for *asymmetricum* Piaget, 1885, *nec* Rudow, 1870.
(*Rhea* spp.) [14].
125. **rostratum** [Rudow] Giebel, see *Ornithobius*.
126. **rotundatum** Piaget, *Tijd. v. Ent.*, xxxi, 1888, p. 159, Pl. 4, f. 2.
(*Podica senegalensis*.)
126. *rubromaculatum* Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 128 =
E. crassicornis Scopoli.
(*Somateria mollissima*.)
127. **runcinatum** Nitzsch, see *Degeeriella*.
128. *sagittiforme* Rudow, *Beitrag*, 1869, p. 40. Type immature. Host
unknown. Discard.
127. **saturatius** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 246, Pl. 10, f. 1.
(*Tochus erythrorhynchus*.)
129. *scolopacis* Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857, p. 309. *Nom.*
nud.
128. **secretarium** Giebel, *Ins. Epiz.*, 1874, p. 213.
(*Gypogeranus serpentarius*.)
130. *serratum* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 385.
(*Anser albifrons*) = *E. anseris* L.
131. *setosum* Giebel, see *Pelmatocerandra*.
129. **setosum** Piaget, *Pédiculines*, 1880, p. 335, Pl. 27, f. 4.
(*Phalacrocorax sulcirostris*.)
132. *sexmaculatum* 'Schilling,' Gurlt, *Arch. f. Naturgesch.*, xxiii, 1857,
p. 309. *Nom. nud.*
133. *signatum* Piaget, *Pédiculines*, 1880, p. 310, Pl. 25, f. 7 = *E. lepidum*
Nitzsch. (*Anastomus* spp.)

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134. *simillimum* Giebel, see *Bothriometopus*.
130. *snodgrassi* Kellogg, *New Mallophaga*, ii, 1896, p. 502, Pl. 68, f. 2.
(*Trochilus rufus*.)
135. *sordidum* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 385 = *E. crassicornae* Scopoli. (*Anas (Nettium) crecca*.)
136. *squalidum* Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 176, Pl. xiv, f. 5. (*Anas* spp.) = *E. crassicornae* Scopoli.
137. *staphylinoides* Denny, see *Pectinopygus*.
131. *stellare* Denny, *Anoplur. Brit.*, 1842, p. 178, Pl. 15, f. 3.
(*Botaurus stellaris*) [51].
138. *stenopygum* Nitzsch, see *Acidoproctus*.
132. *strepsicerum* Nitzsch, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 118.
(*Psittacus erithacus*.)
133. *struthionis* Gervais, *Aptères*, iii, 1847, p. 354, Pl. 9, f. 2.
(*Struthio camelus*) [122].
139. *subangusticeps* Piaget, *Pédiculines*, 1880, p. 308, Pl. 25, f. 5.
(*Oceanodroma leucorrhoea*) = *E. pelagicum* Denny.
134. *subsetosum* Piaget, *Pédiculines*, 1880, p. 336, Pl. 27, f. 5.
(*Phalacrocorax melanotus*.)
135. *subsignatum* Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 384.
(*Phoenicopterus antiquorum*) [105, 145].
136. *sudanicum* Mjöberg, *Arkiv f. Zool.*, vi, 1910, p. 85.
(*Turtur semitorquatus*.)
137. *sulae* Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 134.
(*Sula fiber*.)
138. *sulcifrons* Denny, *Anoplur. Brit.*, 1842, p. 169, Pl. 14, f. 1.
(*Aquila albicilla*.)
140. *suturale* Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 136 = *E. quadrioculatum*. Nitzsch.
(*Aquila fulva*.)
141. *tadornae* Denny, *Anoplur. Brit.*, 1842, p. 170, Pl. 14, f. 6.
(*Anas (Tadorna) tadorna*) = *E. crassicornae* Scopoli.
139. *tantali* Fabricius, *Ent. Syst.*, Suppl., 1798, p. 571.
(*Tantalus leucocephalus*.)
142. *taurum* Nitzsch, see *Docophoroides*.
143. *temporale* Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 175, Pl. 14, f. 7.
(*Mergus* spp.) = *E. mergi-serrati* Degeer.
140. *ternatum* Burmeister, *Handbuch*, ii, 1838, p. 434.
(*Cathartes papa*.)
144. *testaceum* Taschenberg, *Nova Acta*, xlv, 1882, p. 135, Pl. 5, f. 3.
(*Daption capense* &c.) = *E. fuliginosum* Tb.

141. **thoracicum** Piaget, *Pédiculines*, 1880, p. 346, Pl. 30, f. 6.
(*Anas (Tadorna) radjah.*)
142. **tinami** Carriker, *Univ. Nebr. Stud.*, iii, 1903, p. 146, Pl. 3, f. 3.
(*Tinamus robustus.*)
143. **toxocerum** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 386.
(*Phalacrocorax carbo.*)
144. **trabeculum** Piaget, *Pédiculines*, Suppl., 1885, p. 80, Pl. 8, f. 8.
(*Pitta novaeguineae.*)
145. **trapezoideum** Rudow, *Zeit. f. ges. Nat.*, xxxvi, 1870, p. 131.
(*Phoenicopter antiquorum*) = *E. subsignatum* Gb.
146. **tricolor** Piaget, *Pédiculines*, 1880, p. 363, Pl. 30, f. 4.
(*Phoebetria fuliginosa*) = *E. obscurum* Rudow.
145. **tuberculatum** Piaget, *Pédiculines*, Suppl., 1885, p. 61, Pl. 6, f. 8.
(*Fulmarus glacialis.* Straggler. L. H.)
146. **turmale** Nitzsch in Denny, *Anoplur. Brit.*, 1842, p. 114, Pl. 6, f. 10.
(*Otis tarda.*)
147. **uncinatum** Piaget, *Pédiculines*, 1880, p. 677, Pl. 56, f. 6.
(*Cryptonyx coronatus.*)
148. **unguiculatum** Piaget, *Tijd. v. Ent.*, xxxiii, 1888, p. 247, Pl. 10, f. 2.
(*Notophoyx novaehollandiae.*)
147. **variegatum** Neumann, *Arch. Parasit.*, xv, 1912, p. 381, f. 27, 28.
(*Ciconia nigra*) = *E. ciconiae* L.
148. **variopictum** Giebel, *Ins. Epiz.*, 1874, p. 211 = *E. quadrioculatum* Nitzsch.
(*Aquila fulva.*)
149. **varium** Kellogg, *New Mallophaga* i, 1896, p. 116, Pl. 7, f. 3, 4.
(*Fulmarus glupischa*) = *E. nigrolimbatus* Gb.
150. **versicolor** Nitzsch in Burmeister, *Handbuch*, ii, 1838, p. 434.
(*Ciconia* spp.) = *E. ciconiae* L.
149. **zonatum** Piaget, *Tijd. v. Ent.*, xxiv, 1881, p. 3, Pl. 1, f. 3.
(*Buceros nepalensis.*)

Genus 51. **Pectinopygus** Mjöberg.

1. **bassanae** O. Fabricius, *Faun. Groen.*, 1780, p. 218.
(*Sula bassana*) [1, 2].
1. **pullatus** Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 387.
(*Sula bassana*) = *P. bassanae* O. Fabr.
2. **staphylinoides** Denny, *Anoplur. Brit.*, 1842, p. 180, Pl. 15, f. 2.
(*Sula bassana*) = *P. bassanae* O. Fabr.

Genus 52. **Pelmatocerandra** Enderlein.

1. *eatoni* Kellogg, *Brooklyn Sci. Bull.*, ii, 1914, p. 81.
(*Pelecanoides urinatrix*) = *P. setosa* Giebel.
1. *setosa* Giebel, *Ann. Mag. Nat. Hist.*, xvii, 1876, p. 388.
(*Pelecanoides urinatrix*) [1].

Genus 53. **Philoceanus** Kellogg.

1. *becki* Kellogg, *Biol. Bull.*, v, 1903, p. 88, f. 1, 2.
(*Thalassidroma tethys*.)

Sub-family i. **Giebeliinae** [Waterston].Genus 54. **Giebelia** Kellogg.

1. *fuscoclypeata* Johnston and Harrison, *Trans. N. Z. Inst.*, xlv, 1912, p. 368, f. 4. (*Aestrelata neglecta*.)
2. *hexakon* Waterston, *Ann. S. Afr. Mus.*, x, 1914, p. 291.
(*Majaqueus aequinoctialis*.)
3. *mirabilis* Kellogg, *New Mallophaga* i, 1896, p. 138, Pl. 11, f. 7, 8.
(Many **Petrels**.)

Genus 55. **Trabæculus** Rudow.

1. *aviator* Evans, *Proc. Roy. Phys. Edin.*, xviii, 1912, p. 270. *Nom. nud.* (*Puffinus anglorum*.)
1. *dimorphus* Waterston, *Scott. Nat.*, 1912, p. 252.
(*Puffinus anglorum*.)
2. *heteracanthus* Waterston, *Scott. Nat.*, 1912, p. 258.
(*Macronectes giganteus*) = *T. schillingi* Rudow.
2. *schillingi* Rudow, *Zeit. f. ges. Nat.*, xxvii, 1866, p. 467.
(*Aestrelata mollis*) [2].

Sub-family j. **Docophoroidinae** Harrison.Genus 56. **Docophoroides** Giglioli.

1. *brevis* Dufour, *Ann. Soc. Ent. Fr.*, iv, 1834, p. 676, Pl. 21, f. 3.
(*Diomedea exulans*) [1, 2, 3, 4].
1. *dentatus* Giebel, *Ann. Mag. Nat. Hist.*, xvii, 1876, p. 388 = *D. brevis* Dufour. (*Diomedea exulans*.)
2. *murphyi* Kellogg, *Brooklyn Sci. Bull.*, ii, 1914, p. 87.
(*Diomedea melanophrys* &c.)
3. *pacificus* Kellogg, *Brooklyn Sci. Bull.*, ii, 1914, p. 87.
(*Diomedea albatrus*.)

4. **simplex** Waterston, *Ann. S. Afr. Mus.*, x, 1914, p. 303.
(*Diomedea melanophrys*.)
2. *taurus* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xxviii, 1866, p. 385.
(*Diomedea exulans*) = *D. brevis* Dufour.
3. *thoracicus* Nitzsch in Giebel, *Zeit. f. ges. Nat.*, xviii, 1861, p. 316.
(*Diomedea exulans*.)
4. *tonsus* Rudow, *Beitrag*, 1869, p. 13.
(*Diomedea* sp.)

VI.

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- CARRIKER (1902). Some new Mallophaga from Nebraska birds. *Journ. N. Y. Ent. Soc.* x. pp. 216-229, Pl. xx.-xxii.
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NOTE

The object of Mr Harrison's paper is primarily to place in the hands of students of the Mallophaga a complete list of the systematic nomenclature of the group. No attempt has been made to bring the host list up to date, and in most cases the original author of the record of the parasite has been quoted without remark. All host names therefore require careful collation by the student with some standard work, e.g. *The Catalogue of the Birds in the British Museum* (1874—1898).

We have pleasure in acknowledging the kind assistance of the Rev. James Waterston in passing the final proofs through the press on behalf of the Author who has gone abroad.

ED.

